INSPIRED BY COMFORT

Dometic GROUP

# MORE COMFORT ON BOARD 2013

NEW
WAECO PerfectCharge & SinePower
Charger and inverter range
WAECO CoolFreeze CFX
Compressor cooler range
Portable coolers / Refrigerators / Cooling units
A/C Systems and accessories
Inverters / Chargers / Generators
Vacuum cleaners / Roller blinds / Safes
Stoves / Cooktops / Ovens
Toilets / Marine holding tank system and accessories

## THE COMPREHENSIVE RANGE OF COMFORT SYSTEMS FOR LEISURE BOATS

# **Cast off –** and enjoy every moment!

Dometic GROUP

We make sure that you feel comfortable and absolutely at home when you're on board. With the Dometic GROUP, you'll have a secure partner that's been developing innovative comfort solutions for the OEM market for more than fifty years. The high quality demanded by this sector bears the hallmark of our entire product range, which is also available for the aftermarket.

**Discover the world's most comprehensive and versatile range of comfort equipment for yachts and boats!**

## The Dometic Group on the Internet

**www.marine.dometicgroup.com**
**info@dometic-waeco.com**

In this catalogue we present a large segment of our product range for yachts and boats. You can find the complete product line-up on our marine website, including detailed descriptions, all of the technical data and valuable tips.

**Dealer locator on the home page**
This page provides contact information for Dometic dealers or service partners in your vicinity. Find information even faster using the QR code!

Contents, specifications and availability are subject to change due to technical improvement.

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# Mobile refrigeration


**Portable coolers**

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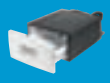
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**Cooling units**

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WAECO
by Dometic GROUP

## Criteria for selecting the right cooler

The Dometic WAECO line-up of coolers covers a broad range. To find the cooler that's right for you, your yacht and your holiday plans, you should ask yourself a few questions before making your purchase and have a little technical background information at your disposal. Follow our guide and select the cooler that's right for you.

### These are the questions you should ask:

1. What portable cooling technologies are available?
2. Where is my travel destination?
3. What kind of cooling performance do I expect?
4. What type of energy source would I like to use?
5. How much electrical energy should the cooler consume?
6. How large should the cooler be?

# Which cooler is right for you?

Find your cooler

## Three refrigeration systems
for the marine sector

**Dometic WAECO uses three different types of refrigeration technology to ensure that everything stays fresh on board. All three have individual strengths and unique features that make them ideal for certain types of operating conditions.**

### Compressor technology

Unsurpassed performance, flawless operation in slanted positions and suitable for high-capacity coolers. Compressor coolers and fridges deliver excellent refrigeration and deep-freezing results even in the case of extremely high ambient temperatures.

**They can be operated worldwide with almost any onboard or dockside power supply. Because of their very low power consumption, they are also ideally suited for operation with solar energy.**

### Thermoelectrics

A very affordable and versatile technology, ideal for small and mid-sized refrigeration capacities. Thermoelectric technology can heat as well as refrigerate, so many thermoelectric coolers have an additional heating function.

**These coolers are designed for universal use and are especially lightweight, unaffected by slanting or tilted conditions, and are wear- and maintenance-free. Be aware that the ambient temperature does affect their cooling performance.**

### Passive cooling

Functions without an energy source, cooling takes place using ice cubes or pre-cooled cold packs. The efficiency of this cooling technology depends on the quality of the insulation and seals used in the cooler.

**The advantages of passive coolers: low weight, problem-free cleaning, long service life and an attractive price.**

WAECO
by Dometic GROUP

Energy-saving LED interior lighting

12/24 Volt DC and 100 – 240 Volt AC

Electronic thermostat with digital temperature display

Heavy-duty model with reinforced corners, stainless steel hinges and robust locking mechanism

Space-saving folding and detachable carrying handles

CFX SERIE

All about the new CoolFreeze CFX compressor coolers on the net!
**www.waeco.com/cfx-compressor_coolers**
The QR code will take you directly to the site.

Contents, specifications and availability are subject to change due to technical improvement.

Energy-Class A++

A++

NEW!

ES

New WAECO high-performance compressor: sensational deep-freezing performance up to –22 °C with minimal energy consumption!

USB connection for charging small appliances

Refrigeration zone with wire basket and separate fresh food compartment for fruit, vegetables, etc.

Deep-freezing up to –22°C

→ More information / technical data on p. 74

# NEW!
# Generation “Frost”
## The most powerful compressor coolers ever

Energy-Class A++ and freezer temperatures of –22°C: that’s something never before available in a mobile cooler! With its WAECO CoolFreeze CFX cooler series, refrigeration specialist Dometic WAECO demonstrates once again how to break boundaries. Thanks to a specially developed high-performance compressor and extra thick insulation, these coolers are able to reduce energy consumption by up to 35% in comparison to previous models. The high-tech devices look great with many heavy-duty details: corner reinforcements, stainless steel hinges and robust lid coatings ensure that these coolers can stand up to the toughest demands. Nevertheless, CFX coolers are amazingly lightweight and easy to transport.

- → **Refrigeration and deep-freezing to –22°C**
- → **Electronic thermostat with digital temperature display**
- → **Selectable temperature**
- → **3-stage battery protection**
- → **USB connection for charging small appliances**
- → **Energy-saving LED interior lighting**
- → **Folding and detachable carrying handles**
- → **Removable lid with non-slip rubber mat**
- → **Stainless steel hinges and robust locking mechanism**
- → **Drain plugs for simple cleaning**
- → **Removable wire basket**

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Heavy-duty quality

→ More information / technical data on p. 74

Contents, specifications and availability are subject to change due to technical improvement.

A++

Energy class

## 1 WAECO CoolFreeze CFX 35

- → Storage volume: approx. 32 litres, thereof 4,5 l for fresh food
- → Weight: 17.5 kg
- → Current consumption: 0.32 Ah/h at +20°C ambient temperature
  0.60 Ah/h at +32°C ambient temperature
  both at +5°C interior temperature

Ref. No.: 9105304047

## 2 WAECO CoolFreeze CFX 40

- → Storage volume: approx. 38 litres, thereof 7 l for fresh food
- → Weight: 18.5 kg
- → Current consumption: 0.36 Ah/h at +20°C ambient temperature
  0.64 Ah/h at +32°C ambient temperature
  both at +5°C interior temperature

Ref. No.: 9105304048

## 3 WAECO CoolFreeze CFX 50

- → Storage volume: approx. 46 litres, thereof 8,5 l for fresh food
- → Weight: 20.4 kg
- → Current consumption: 0.38 Ah/h at +20°C ambient temperature
  0.68 Ah/h at +32°C ambient temperature
  both at +5°C interior temperature

Ref. No.: 9105304049

## 4 WAECO CoolFreeze CFX 65

- → Storage volume: approx. 60 litres, thereof 13 l for fresh food
- → Weight: 22.3 kg
- → Current consumption: 0.42 Ah/h at +20°C ambient temperature
  0.76 Ah/h at +32°C ambient temperature
  both at +5°C interior temperature

Ref. No.: 9105304050

→ More information / technical data on p. 74

1

Still looking for a little more space? The high-capacity CoolFreeze CF 80/CF 110 coolers offer cooling capacities of 79 and 105 litres, respectively. They also perform impressively: temperatures as low as –18°C are achieved, independent of ambient temperatures and with low power consumption. The coolers transport easily with the help of the stable carrying handles and can be operated with almost any onboard or dockside power supply. Standard equipment: interior lighting, wire basket.

## 1 WAECO CoolFreeze CF 110

→ Storage volume: approx. 105 litres
(92 l for refrigeration/deep-freezing, 13 l for fresh food)
→ Current consumption: 0.76 Ah at +20 °C ambient temperature
1.35 Ah at +32 °C ambient temperature
both at +5°C interior temperature

Ref. No.: CF-110AC

## 2 WAECO CoolFreeze CF 80

→ Storage volume: approx. 79 litres
(72 l for refrigeration/deep-freezing, 7 l for fresh food)
→ Current consumption: 0.65 Ah at +20 °C ambient temperature
1.19 Ah at +32 °C ambient temperature
both at +5°C interior temperature

Ref. No.: CF-080AC

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Jumbo coolers

**CF special electronics with digital temperature display, soft start and turbo cooler**

2

→ More information / technical data on p. 74

Contents, specifications and availability are subject to change due to technical improvement.

# Cooling champions in every size

## From spacious to space-saving

The WAECO CoolFreeze CDF range are fun and light-weight little coolers with a tall, slim design that fits perfectly into the tightest niches and spaces on your boat. Thanks to optimised interior dimensions, they hold 10.5, 18 or 23 litres of refrigerated items. Fridge and freezer temperatures as low as –18°C are quickly reached even if ambient temperatures are extreme. Three ideal entry-level models for compressor technology – also with respect to price.

### 1 WAECO CoolFreeze CDF 18

→ Storage volume: approx. 18 litres
→ Current consumption: 0.38 Ah at +20 °C ambient temperature
0.61 Ah at +32 °C ambient temperature
both at +5°C interior temperature

Ref. No.: 9105100002

### 2 WAECO CoolFreeze CDF 25

→ Storage volume: approx. 21.5 litres
(17.5 l for refrigeration/deep-freezing, 4 l for fresh food)
→ Current consumption: 0.44 Ah at +20 °C ambient temperature
0.67 Ah at +32 °C ambient temperature
both at +5°C interior temperature

Ref. No.: 9105100003

## Always on hand

### WAECO CoolFreeze CDF 11

Ultra-Compact

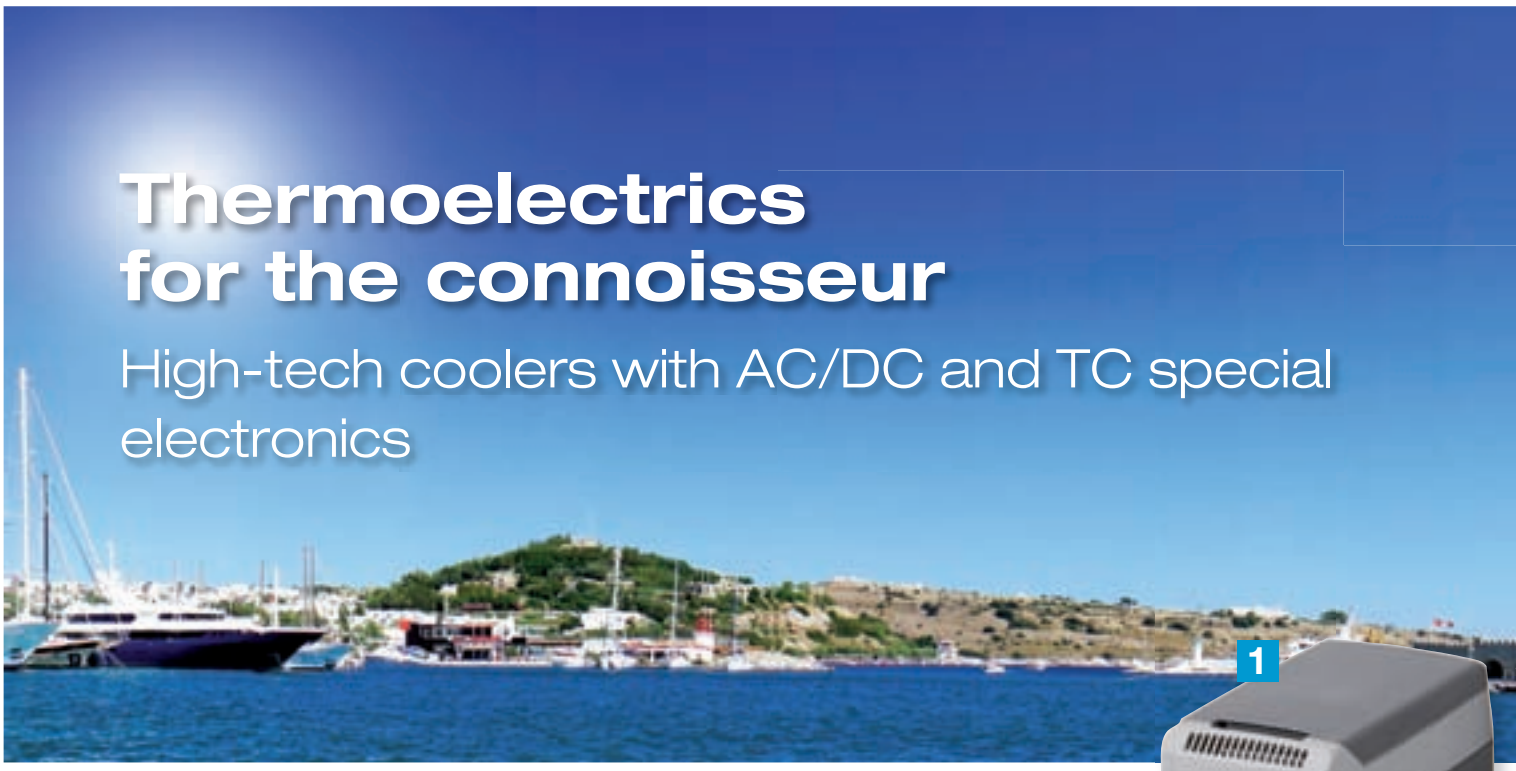
→ Storage volume: approx. 10.5 litres
→ Extremely compact design
→ Current consumption: 0.29 Ah at +20 °C
0.61 Ah at +32 °C
ambient temperature, both at +5°C interior temperature

Ref. No.: 9105100007

→ More information / technical data on p. 75

# Thermoelectrics for the connoisseur

## High-tech coolers with AC/DC and TC special electronics



Versatility, performance and technical perfection characterise the WAECO TropiCool series. The coolers feature an intelligent power-saving circuit and the temperature can be individually regulated and read on an LED display. These clever coolers can also warm food. The heating function delivers temperatures up to +65°C.

WAECO
by Dometic GROUP

## World-class technology

- → Cooling performance up to 30°C below ambient temperature (TC 07 up to 25°C)
- → Additional heating function (up to +65°C)
- → Standard 12/24/230-volt connection with priority circuit for mains operation (TC 07 12/230-volt)
- → Intelligent power-saving circuit – switches to power-save mode when desired temperature is reached (TC 14FL, TC 21FL and TC 35FL)
- → Dynamic interior ventilation
- → Wear-free fans
- → Operates even in tilted positions

→ More information / technical data on p. 76

Contents, specifications and availability are subject to change due to technical improvement.

## 1 WAECO TropiCool TC 07

Thermoelectric cooler for **12 volts DC and 230 volts AC**
→ Storage volume: approx. 7 litres
→ Weight: 2.8 kg

Ref. No.: TC-07UG-12/230

## 2 WAECO TropiCool TC 14FL

Thermoelectric cooler with TC special electronics
**for 12/24 volts DC and 230 volts AC**
→ Storage volume: approx. 14 litres
→ Weight: 5 kg

Ref. No.: TC-14FL-AC

## 3 WAECO TropiCool TC 21FL

Thermoelectric cooler with TC special electronics
**for 12/24 volts DC and 230 volts AC**
→ Storage volume: approx. 20 litres
→ Weight: 6 kg

Ref. No.: TC-21FL-AC

## 4 WAECO TropiCool TC 35FL

Thermoelectric cooler with TC special electronics
**for 12/24 volts DC and 230 volts AC**
→ Storage volume: approx. 33 litres
→ Weight: 10 kg

Ref. No.: TC-35FL-AC

## Universal fixing kit

For TropiCool **TC 14FL, TC 21FL, TC 35FL**:
for fastening of TropiCool coolers to vehicles.

Ref. No.: UFK-T

**→ More information / technical data on p. 76**

Here you'll find powerful thermoelectric technology, 25-litre capacity, room to store 2-litre bottles in an upright position and several extra features at a super low price! The CoolFun CD 28 can be used for cooling and for keeping food warm (up to +65°C) and works on battery as well as mains power. The unit's cover, which houses the cable compartment, can be removed. When required, the much lighter insulating lid replaces it – on the way to the beach, for example.

## WAECO CoolFun CD 28

Thermoelectric cooler with additional insulating lid,
for **12 volts DC and 230 volts AC**
→ Storage volume: approx. 25 litres
→ Weight: 4.7 kg

Ref. No.: 9103500706

→ More information / technical data on p. 76

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Contents, specifications and availability are subject to change due to technical improvement.

# Marine design

## Soft cooler for shopping and chilling

NEW

A stylish maritime look and 25-litre capacity – features that turn daily shopping for fresh produce into a fun experience! The CoolFun S 28 can be attached directly to a shopping cart using side-mounted Velcro strips and then easily filled. To maintain the refrigeration chain, this thermoelectric cooler hooks up to the onboard 12-volt power supply in a car or boat and delivers refrigeration performance up to 15°C below ambient temperature.

## WAECO CoolFun S 28DC

Shopping bag for **12 volts DC**
- → Storage volume: approx. 25 litres
- → Hard-wearing polyester material on the outside
- → Weight: 2.3 kg
- → Dimensions (W x H x D): 370 x 230 x 410 mm

Ref. No.: 9105302763

**Folded flat, secured with snap fasteners: the S 28 after use**

**Standing room for large beverage bottles**

**Three outside pockets for small items, adjustable carrying straps**

**Side-mounted Velcro strips, e.g., for attaching to a shopping car**

→ More information / technical data on p. 76

# An icy coolness that lasts

## Iceboxes in heavy-duty versions

High ambient temperatures, uneven terrain, rough seas, salt water, dust and mud – what can still keep cool under these conditions? The new WAECO iceboxes, that's what. Equipped with extremely effective insulation and packed with cold packs or ice cubes, they keep food, fish, bait and game fresh for up to several days depending on use and weather conditions. Here's another number that speaks for itself: 5 year warranty. Finally, every detail of these boxes, which are seamlessly moulded from high-impact plastic, is designed to stand up to the toughest conditions.

The food-safe iceboxes are lightweight, easy to transport and can be tied down securely on board. The melt water drain makes the coolers especially easy to clean.

- **Extremely low heat absorption**
- **Highly effective PU foam insulation, combined with an intelligent labyrinth seal**
- **Large polyethylene feet for better stability and slip resistance**
- **Long life performance**

### WAECO Cool-Ice 13 – 111 litres

1. WCI-13 // 13 litres // Ref. No.: 9108400056
2. WCI-22 // 22 litres // Ref. No.: 9108400060
3. WCI-42 // 41 litres // Ref. No.: 9108400062
4. WCI-55 // 55 litres // Ref. No.: 9108400067
5. WCI-70 // 68 litres // Ref. No.: 9108400071
6. WCI-85 // 86 litres // Ref. No.: 9108400073
7. WCI-110 // 111 litres // Ref. No.: 9108400054

**WCI-13 and WCI-22 with adjustable shoulder strap.**

**Strong, ergonomically designed polyethylene handles (WCI-42 and up) for easy transport, either alone or as a pair.**

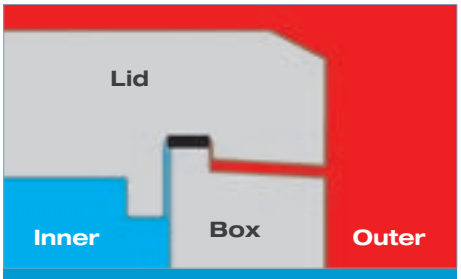
**Extra-strong tie-down points – integrated in the handle base.**

→ More information / technical data on p. 76

Contents, specifications and availability are subject to change due to technical improvement.

Fully integrated hinges with stainless steel rods for more stability and smooth contours.

Sturdy ABS latches with stainless steel mounting screws. Easy, one-hand operation is possible.




The labyrinth seal prevents the entry of warm air into the interior of the icebox.

→ More information / technical data on p. 76

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# Ice-cold installation!

## Compressor cooling that fits anywhere

+10°C to –12°C | 12/24 volts | Solar operation

+12°C to –2°C | 12/24 volts

**Top loader for galleys and benches**

Opens from the top. The cooling units can be detached and fitted separately.

### WAECO CoolMatic CB 36

→ Storage volume: approx. 36 litres

→ Current consumption: 0.56 Ah at +20 °C ambient temperature
0.94 Ah at +32 °C ambient temperature
at +5°C interior temperature

Ref. No.: CB-036

### WAECO CoolMatic CB 40

→ Storage volume: approx. 40 litres

→ Current consumption: 0.61 Ah at +20 °C ambient temperature
1.01 Ah at +32 °C ambient temperature
both at +5°C interior temperature

Ref. No.: CB-040

**Built-in drawer fridge for indoor and outdoor storage compartments**

Ideal for the flybridge. Pulls out easily, can be locked securely. Elegant front panel design.

### WAECO CoolMatic CD 30

→ Storage volume: approx. 18 litres

→ Current consumption: 0.67 Ah at +20 °C ambient temperature
1.33 Ah at +32 °C ambient temperature
both at +5°C interior temperature

CD 30 // Ref. No.: CD-030DC
CD 30W (white front) // Ref. No.: CD-030DCW

→ More information / technical data on p. 75

Contents, specifications and availability are subject to change due to technical improvement.

# Slide open and enjoy

## Drawer fridge with freezer compartment

Who doesn't enjoy a drawer fridge filled with cooled snacks and beverages? It's a very comfortable way to keep track of supplies. Wine and beverage bottles are within easy reach in the first row of the new CRD 50 drawer fridge, secured safely with a wire insert. The removable **-freezer compartment provides room for additional refrigerated items as needed. The CRD 50 installs quickly with the matching installation frames – in interior spaces or outside on the flybridge. Connection-ready for 12/24 volts, 50-litre total volume.

NEW

### WAECO CoolMatic CRD 50

→ Storage volume: approx. 50 litres,
Freezer compartment: approx. 4 litres
→ Current consumption: 1.5 Ah at +25 °C ambient temperature
1.8 Ah at +32 °C ambient temperature
both at +5°C interior temperature

Ref. No.: 9105304081

→ More information / technical data on p. 75

# Add a touch of sparkle

## Premium refrigerators in stainless steel and chrome

These exclusive CoolMatic CR refrigerators are designed for anyone who prefers a little luxury. Whether in elegant matt-silver or in the sleek chrome version – CoolMatic CR sets new standards with respect to design, features, workmanship and technology. Treat yourself to first-class refrigeration – you deserve it!

WAECO
by Dometic GROUP

(The picture shows the optional flush-mount installation frame)

### WAECO CoolMatic CR / CR Chrome

- Five models each with capacities from 48 to 136 litres and enhanced equipment: bottle holder, functional storage trays (CR 110 / CR 140 with drawers)
- Ideal temperature regulation for refrigeration and deep-freezing
- Separately insulated *** freezer compartment
- Optimal temperature distribution due to additional evaporator integrated in the interior
- Unrivalled condensation drainage via base and rear panel. Drainage via hose in bilge and holding tank system or collection tank.
- Double door lock (top / bottom), variable door mounts
- Door lock with dual function (locking / ventilation)
- Easy-to-change decor panel
- Tropical-rated: equivalent to DIN EN ISO 7371
- High-performance cooling technology: fully hermetic compressor

Contents, specifications and availability are subject to change due to technical improvement.

# Small, smart and favourably priced!

With its matt-silver door panel, the CoolMatic CRP 40 makes an elegant statement in the pantries of smaller boats. Inside, there is an amazingly spacious 39-litre cooling capacity, including the freezer compartment. Proven compressor technology provides excellent cooling results and matching mounting frames ensure a perfect installation result.

Ideal in confined spaces: The cooling unit can be fitted separately

## WAECO CoolMatic CRP 40

Premium built-in refrigerator in stainless steel finish for yachts, boats, motorhomes and caravans

→ approx. 39 litres including 5.3-litre freezer compartment
→ 12/24 volts DC
→ Weight: 18 kg

Ref. No.: 9105600001

→ More information / technical data on p. 78

# Perfectly equipped

CoolMatic CR refrigerators are not only beautiful, they're also super practical. Depending on the model, their well-organised interior holds 48 to 136 litres worth of provisions.

Bottle holders, and both open and closed storage compartments keep things in perfect order.

WAECO
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1 **Double door lock, top and bottom**

2 **Separately insulated *** freezer compartment**

3 **Functional surfaces and trays**

4 **Interior light**

5 **Recessed door grips**

6 **Bottle holder**

7 **Condensation drainage via hose connection or collection tank**

→ More information / technical data on p. 78 – 79

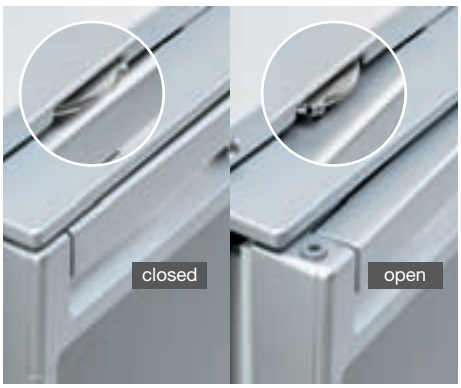
Contents, specifications and availability are subject to change due to technical improvement.

**Premium design with Cool Blue light inside**

**Recessed door grips**

**Functional cooling space**

**Separately insulated *** freezer compartment – tropical-rated**




**Patented lock: close or vent**

**Installation with standard or flush-mount frame**

→ More information / technical data on p. 78 – 79

## 1 WAECO CoolMatic CR 50 / CR 50 Chrome

→ Storage volume: approx. 48 litres including 5-litre freezer compartment
→ Weight: 19 kg

CoolMatic CR 50 // Ref. No.: CR-0050E
CoolMatic CR 50 Chrome // Ref. No.: CR-0050ST

## 2 WAECO CoolMatic CR 65 / CR 65 Chrome

→ Storage volume: approx. 64 litres including 7.2-litre freezer compartment
→ Weight: 20 kg

CoolMatic CR 65 // Ref. No.: CR-0065E
CoolMatic CR 65 Chrome // Ref. No.: CR-0065ST

## 3 WAECO CoolMatic CR 80 / CR 80 Chrome

→ Storage volume: approx. 80 litres including 7.9-litre freezer compartment
→ Weight: 23 kg

CoolMatic CR 80 // Ref. No.: CR-0080E
CoolMatic CR 80 Chrome // Ref. No.: CR-0080ST

## 4 WAECO CoolMatic CR 110 / CR 110 Chrome

→ Storage volume: approx. 108 litres including 10.2-litre freezer compartment
→ Weight: 28 kg

CoolMatic CR 110 // Ref. No.: CR-0110E
CoolMatic CR 110 Chrome // Ref. No.: CR-0110ST

## 5 WAECO CoolMatic CR 140 / CR 140 Chrome

→ Storage volume: approx. 136 litres including 11.5-litre freezer compartment
→ 12/24 volts DC and 100 – 240 volts AC
→ Weight: 32 kg

CoolMatic CR 140 // Ref. No.: 9105600002
CoolMatic CR 140 Chrome // Ref. No.: 9105600003

→ More information / technical data on p. 78 – 79

Contents, specifications and availability are subject to change due to technical improvement.

Brilliant white colour, practical interior layout, plenty of space: the CoolMatic HDC series was designed for large yachts and commercial vessels. Just like at home, these refrigerators have storage compartments on the doors, bottle holders, and fruit and vegetable compartments. The spacious freezer compartments are separated from the refrigeration area and have their own access door. The HDC 270 offers three pullout drawers just for frozen items.

## 1 WAECO CoolMatic HDC 190

- → Storage volume approx. 155 litres including 40-litre *** freezer compartment
- → 12/24 volts DC
- → Weight: approx. 33 kg

Ref. No.: 9105600013

## 2 WAECO CoolMatic HDC 220

- → Storage volume: approx. 212 litres including 41-litre *** freezer compartment
- → 12/24 volts DC
- → Weight: approx. 42 kg

Ref. No.: 9105600014

## 3 WAECO CoolMatic HDC 270

- → Storage volume: approx. 281 litres including 61-litre *** freezer compartment
- → 12/24 volts DC and 100 – 240 volts AC
- → Weight: approx. 50 kg

A+

Ref. No.: 9105600021

WAECO by Dometic GROUP

→ More information / technical data on p. 77

# Tailor-made cooling solutions

## Keep extra space ice-cold

### Cooling units for all kinds of applications

Where standard units don't fit, tailor-made fridge space must be provided – an easy task with WAECO ColdMachine cooling units. Supplied with pre-charged refrigerant and self-sealing valve couplings, they are ideal for do-it-yourself installation. Three different series are available to cater to all applications.

WAECO ColdMachine cooling units work with power-regulated compressors. They are powerful, economical and superbly quiet in operation, not sensitive to tilts and ready for connection to 12/24 volts DC. Each series comes with complementary evaporators specifically designed to match the performance of the compressor fitted.

Ideal for **DIY** fitting!

### Compressors with adaptive speed control

Every refrigeration system comprises a compressor, a condenser and an evaporator. To ensure efficient operation the three key components must be perfectly coordinated. The WAECO range includes a variety of condensers and evaporators for optimal configuration.

WAECO exclusively uses the adaptive speed compressors. These compressors contribute significantly to the supreme efficiency of WAECO refrigeration systems – along with the following factors:

→ The compressor speed adapts precisely to the performance requirements of the other system components (evaporator and condenser).

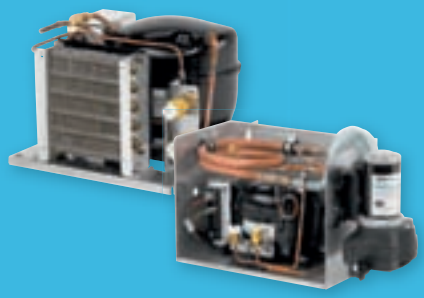
→ Both compressor types can be supplied with plate and fin evaporators in a range of shapes and sizes. This ensures that every shape of container can be equipped correctly. It also makes optimum use of the compressor performance.

→ The dynamically ventilated or water-cooled condenser units guarantee the required heat diffusion.

**→ More information / technical data on p. 80 – 84**

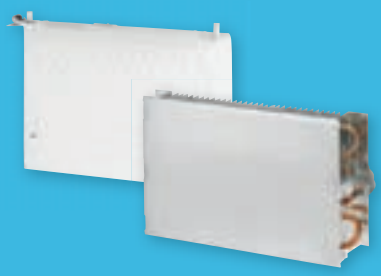
Contents, specifications and availability are subject to change due to technical improvement.

# Choosing the right cooling unit and mounting location



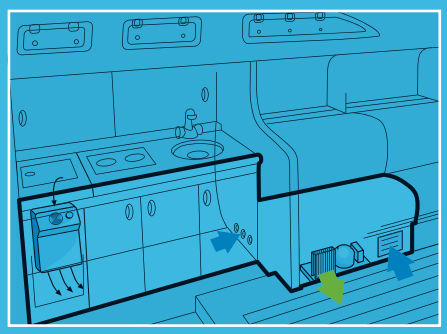
## Condenser: With air or water cooling?

Air-cooled units are easier to install than water-cooled units and they are just as efficient in most cases, because the air temperature at the ship's hull below the water line is barely higher than the water temperature. Water cooling is recommended in cases where the cooling unit is installed in the engine room or if the yacht will mostly be sailing in tropical waters.



## Evaporator: Plate or fin type?

The larger the surface of an evaporator, the more heat it can absorb, and the greater its capacity. For small refrigerator volumes low-cost plate evaporators are ideal. Fin-type evaporators have up to five times more surface area than plate evaporators of the same size. If the air exchange is increased by fans (circulating air evaporators) excellent refrigeration and deep-freeze capability can be achieved even in tropical temperatures.



## The ideal mounting location: Where is the air coolest on a boat?

Clear answer: the best location is below the water line, because here, the air is already cooled by the water temperature. WAECO offers cooling units in various designs, so that even the most awkwardly shaped space can be used. During installation, it is necessary to ensure that the unit has adequate air circulation. This can be achieved by simple slots or holes, or by means of the air exhaust hood available as accessory.

→ More information / technical data on p. 80 – 84

WAECO by Dometic GROUP

# Cooling units

## For entry-level and professional use

### Entry-level units at a great price

Designed for small refrigerator capacities
**(up to approx. 130 litres)** and for use in **cool waters**

- → Equipped with a power-regulated compressor
- → Two air-cooled units of different body shapes
- → Three evaporator types each designed to precisely match the compressor performance
- → Corrosion-resistant stainless steel mounting plate
- → Impeccable operation in inclined position

### Professional units for individual cooling comfort

Designed for small and medium refrigerator capacities
**(up to approx. 250 litres)** and for use in **warmer waters**

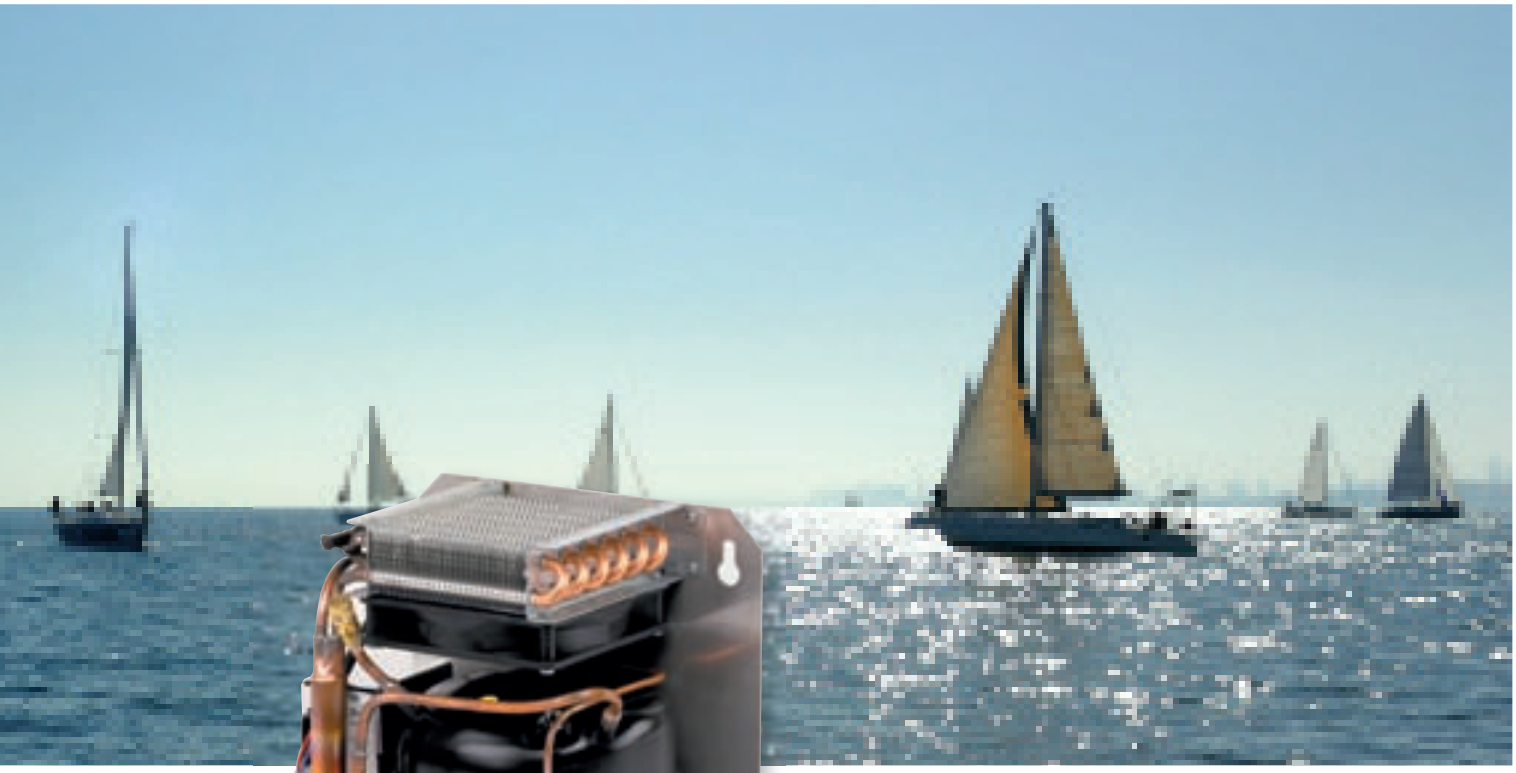
- → Equipped with a power-regulated compressor
- → Three air-cooled units of different body shapes and one water-cooled unit
- → Seven evaporator types and one cold accumulator with automatic programme controller, each designed to precisely match the compressor performance
- → Corrosion-resistant stainless steel mounting plate
- → Impeccable operation in inclined position

### WAECO ColdMachine Series 50

### WAECO ColdMachine Series 80

**→ More information / technical data on p. 80 – 84**

Contents, specifications and availability are subject to change due to technical improvement.



## Professional units for highest demands

Designed for extra-large refrigerator capacities **(up to approx. 400 litres),** for deep-freeze cooling **(up to approx. 200 litres)** and for use in **tropical waters**

- → Equipped with a power-regulated high-performance compressor (25% more cooling power)
- → Three air-cooled units of different body shapes and one water-cooled unit
- → Three evaporator types and one cold accumulator with automatic programme controller, each designed to precisely match the compressor performance
- → Corrosion-resistant stainless steel mounting plate
- → Impeccable operation in inclined positions
- → With AEO electronics (Adaptive Energy Optimiser)

## WAECO ColdMachine Series 90

## Series 50 cooling unit and evaporator package

### Package 1

- → WAECO ColdMachine CU-55 (p. 80) and L-evaporator VD-01 (p. 82)

Ref. No.: 9106000001

### Package 2

- → WAECO ColdMachine CU-55 (p. 80) and O-evaporator VD-07 (p. 82)

Ref. No.: 9106000002

→ More information / technical data on p. 80 – 84

# Mobile climate solutions

Rooftop A/C systems for heavy-duty applications 32

Complete climate systems from Dometic 32 – 33

Accessories for marine climate systems 34 – 35

Air Purifier 35

Climate systems from the market leader: Condaria, Cruisair and Marine Air 36 – 37


Condaria by Dometic GROUP

Cruisair® by Dometic GROUP

Dometic

MARINE AIR SYSTEMS® AIRRRRRR by Dometic GROUP

## Planning an air conditioning system for your boat

**Whether you have a small leisure boat or a super yacht with multiple cabins, Dometic can always provide a tailor-made air conditioning solution that's a perfect fit for you and your travel habits. When planning your air conditioning system there are a few things you should take into consideration. By using the QR code located below to navigate to our website. You will find detailed information about the following six important factors.**

1. Calculating the required system capacity
2. Number of units needed and their location(s)
3. The seawater cooling system
4. Duct and grille sizes
5. Cabin controls
6. Electrical requirements

**marine.dometicgroup.com/planning_guide**

# up:
# e climate systems

**From the compact self-contained unit for self-installation to chilled water systems with a capacity of 2,000,000 BTU/h, Dometic can offer you an unbelievably broad spectrum of climate systems. The following briefly explains the three most common systems. There is a good cross-section of products here in the catalogue, and complete and detailed coverage on our website.**

## Self-contained systems

All major components (compressor, condenser, evaporator, and blower) are mounted on a single chassis, which is installed under a bunk, settee, or in a locker. An air-conditioning unit of this type can either cool a single cabin or can be connected to two or more cabins by ductwork. This space-saving design, can also be used for heating.

Dometic MCS complete systems see p. 32/33

## Chilled water systems

Installed in the engine room, the chiller circulates cold or hot water in a closed circuit to all of the rooms to be air-conditioned. Air handlers then cool or heat the individual cabins. Chiller systems are also well suited for very large boats or yachts with many cabins. There is no limit to the number of air handlers that can be integrated into the system.

## Split systems

Also called centralized A/C systems. In these systems, the condenser and evaporator units are installed separately at different locations. Insulated copper refrigerant tubing connects these two main components. Two air handlers can be connected to one condensing unit in order to cool multiple cabins or a single large area.

**Complete climate system line-up on the Internet!**
For comprehensive information about all of the climate system models from the brands Condaria, Cruisair and Marine Air, visit **marine.dometicgroup.com/climate_systems**
The QR code takes you directly to the website.

# Rooftop A/C system for heavy-duty applications

An extremely robust design, low in weight and a cooling capacity of up to 15,000 BTU/h: Dometic's DuraSea Rooftop Air Conditioner is the ideal climate solution for supply vessels, patrol boats and houseboats.

The A/C unit, which is air-cooled, can be installed in a flat position on any horizontal deck or rooftop location to cool the area directly below it. Located on the underside of the unit – which is accessible from the interior cabin – are the thermostat and fan controls as well as the return-air vent and two supply-air vents that blow in opposite directions for increased cooling capability.

Easy to install – **no ducting, no plumbing** required

## DuraSea Rooftop A/C for work boats

Ready for rooftop/decktop mounting

- → Easy installation – no ducting or plumbing required
- → Corrosion-resistant components
- → Vibration-free operation

Rooftop A/C // Ref. No.: 9108792081

**Required part** (to complete installation)
Air distribution kit // Ref. No.: 9108556174

The air distribution box (sold separately) mounts on the ceiling to provide A/C controls

Compressor is bracketed at top and bottom to minimize vibration and movement

## Complete systems for quick installation

Dometic Marine Climate Systems (MCS) are designed for fast and easy retrofitting. All components and mounting materials are included in the scope of delivery. Three performance profiles make it possible to bring climate-controlled comfort to cabins of all different sizes and appearance. Cabins can also be heated at water temperatures > 6°C: efficient heat pump technology makes it all possible. To air-condition an adjacent cabin, purchase the optional air distribution kit (MCS 10/15 only).

- → Combines cooling, dehumidification and heating in one powerful system
- → Ultra-compact, space-saving design
- → Complete package includes all required installation materials
- → User-friendly operator panel for control of all functions
- → Easy to clean, integrated air filter
- → High-quality return-air and supply-air grilles

**Maximum air-conditioned room size (at ambient temperatures of 20 – 35°C)**

| | Below deck (no windows) | Mid deck (small windows) | Above deck (large windows) |
|---|---|---|---|
| Dometic MCS 5 | 8 m² | 5 m² | 4 m² |
| Dometic MCS 10 | 16 m² | 10 m² | 8 m² |
| Dometic MCS 15 | 23 m² | 15 m² | 12 m² |

Contents, specifications and availability are subject to change due to technical improvement.

Dometic

# Self-contained systems for self-installation

Dometic Marine Products
**Dealer Locator**

More information at your local dealer
**http://marine.dometicgroup.com/dealer_locator**

## How to find your MCS model

Selecting the right MCS model for your needs depends on the size and location of the cabin you want to air condition. A cabin below deck requires less capacity per square metre than an upper-deck cabin with large windows and direct exposure to the sun.

## Dometic MCS 5 / MCS 10 / MCS 15

Complete climate system for 230-volt operation

| | MCS 5 | MCS 10 | MCS 15 |
|---|---|---|---|
| **Ref. No.** | 9108548387 | 9108689559 | 9108548391 |
| **Cooling capacity** | 5000 BTU/h | 10000 BTU/h | 15000 BTU/h |
| **Heating capacity** | 1500 watts | 3000 watts | 4400 watts |
| **Power consumption** in cooling/heating mode | 500 watts / 660 watts | 817 watts / 1050 watts | 1000 watts / 1300 watts |
| **Input voltage** | 230 volts AC (220 to 240 volts) /50 Hz | | |
| **Power consumption** in cooling/heating mode | 2.2 A/2.9 A | 3.7 A/4.7 A | 4.5 A/5.8 A |
| **Required circuit protection** (harbour) | min. 7 A, max. 10 A, delay fuse | min. 9 A, max. 14 A, delay fuse | min. 11 A, max. 20 A, delay fuse |
| **Starting current** | up to 11 A | up to 22 A | up to 32 A |
| **Number of blower speeds** | 6/automatic | | |
| **Temperature range** (preset) | 18°C to 30°C | | |
| **Thermostat temperature control** | yes | | |
| **Refrigerant** | R417a | | |
| **Dimensions (W x H x D)** | | | |
| A/C unit | 451 x 298 x 241 mm | 552 x 343 x 248 mm | 552 x 343 x 279 mm |
| Electronic control | 165 x 222 x 67 mm | 165 x 222 x 67 mm | 165 x 222 x 67 mm |
| **Weight** | 18 kg | 26 kg | 28 kg |
| **Quality features** | Complete set including seawater components, air duct and installation fittings, space-saving self-contained air conditioner, high-quality, corrosion-resistant materials | | |

**Scope of delivery:** A/C unit, electrical box and control panel, seawater pump, seawater strainer, air ducts, supply-air and return-air grilles, seawater hose, through-hull fittings, fixing material, fittings, valves

Dometic

# Accessories for marine climate systems

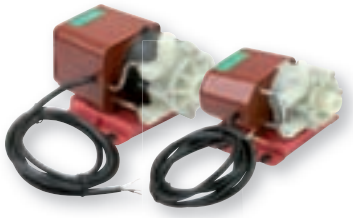
## Centrifugal seawater pumps

**To provide seawater circulation in marine A/C systems**

→ Magnetic-drive impeller is wear- and maintenance-free

→ Efficient motor with low power consumption

→ Quiet operation



## Marine Pumps

Centrifugal seawater pumps for marine A/C

PML250C, 230 volts // Ref. No.: 225500014
PML500CK, 230 volts // Ref. No.: 225500015
PMA1000C, 230 volts // Ref. No.: 225500069

## Air distribution kit

This additional kit for the Dometic MCS 10 and MCS 15 can be used to cool or heat two cabins simultaneously. The flexible design adapts easily to the individual installation situation.

→ Low-cost two-cabin solution

Ref. No.: 9108549923

## Dometic SmartStart™ soft starter

Reduces A/C compressor current draw during start-up

→ Prevents voltage spikes, helps prevent power outages
→ Problem-free A/C start-up at moorings with a low standard of electrical circuit protection

Dometic SmartStart™, 230 V, 50/60 Hz for climate systems with 12,000– 30,000 BTU/h // Ref. No.: 4220043
Dometic SmartStart™, 230 V, 50/60 Hz for climate systems with 30,000– 60,000 BTU/h // Ref. No.: 4220044

Dometic Marine Products
**Dealer Locator**

More information at your local dealer
**http://marine.dometicgroup.com/dealer_locator**

Contents, specifications and availability are subject to change due to technical improvement.

## Real-wood ventilation grilles

For Dometic MCS climate systems

→ High-quality appearance

→ Louvres can be removed for cleaning

→ Return-air grilles have easy-to-clean, replaceable filters

→ Supply-air grilles have double-deflection, moveable louvres

### Wood grilles

Return grille – Cherry, for MCS 5 // Ref. No.: 9108548943
Supply grille – Cherry, for MCS 5 // Ref. No.: 9108548884
Return grille – Teak, for MCS 5 // Ref. No.: 9108549310
Supply grille – Teak, for MCS 5 // Ref. No.: 9108549256
Plenum box – Plastic, for MCS 5* // Ref. No.: 9108550052
Return grille – Cherry, for MCS 10 // Ref. No.: 9108548892
Supply grille – Cherry, for MCS 10 // Ref. No.: 9108548890
Return grille – Teak, for MCS 10 // Ref. No.: 9108549284
Supply grille – Teak, for MCS 10 // Ref. No.: 9108549294
Plenum box – Aluminium, for MCS 10* // Ref. No.: 9108550675
Return grille – Cherry, for MCS 15 // Ref. No.: 9108548917
Supply grille – Cherry, for MCS 15 // Ref. No.: 9108548900
Return grille – Teak, for MCS 15 // Ref. No.: 9108549278
Supply grille – Teak, for MCS 15 // Ref. No.: 9108549291
Plenum box – Aluminium, for MCS 15* // Ref. No.: 9108690494
*Plenums are needed for supply-air grilles

## Dometic Breathe Easy™ Air Purifier

**Indoor air can be fives times more polluted than outdoor air, especially on board. Not healthy for the lungs! Breathe Easy™ air purifiers keep the air you breathe clean and healthy and stop musty odours.**

→ Eliminates unpleasant odours

→ Reduces contaminants by up to 99.9 %

→ Can relieve allergy and asthma symptoms

→ Special UV light produces no harmful ozone

### Dometic
### In-Duct Breathe Easy™ Air Purifier

→ Diameter: 102 mm or 152 mm
→ Connection-ready for 230 volts

In-Duct Air Purifier, ø 102 mm // Ref. No.: 229801254
In-Duct Air Purifier, ø 152 mm // Ref. No.: 229801252

Contaminated air goes in ...

... cleaner, fresher, healthier air comes out

### Dometic Breathe Easy™ Video

**Mobile Air Purifier**
→ Suitable for rooms up to 46.5 m²
→ Dimensions (W x H x D): 158 x 48 x 114 mm
→ Connection-ready for 12 volts/230 volts

Ref. No.: 9108680632

# Three strong brands from Dometic

## 54 years of experience in the marine sector

Dometic has supplied owners and outfitters of boats and yachts with exceptional comfort solutions for more than half a century. Our expertise in the air-conditioning and climate sectors is just as experienced. We've always responded to the challenges of this marketplace and today we can offer a programme that rises to the occasion. Custom-made climate solutions for boats with lengths from 7 to 150 metres and more: three proven brands make it all possible.

Condaria by Dometic GROUP

Chilled-water climate systems for very large yachts are the specialty of this company, which was founded in Italy in 1965. Climate systems from Condaria are found not only on leisure boats, but also on naval ships, work boats and patrol boats. Part of the Dometic GROUP since 2003.

Cruisair® by Dometic GROUP

Back in 1959, Cruisair pioneered the development of climate systems for leisure boats – Cruisair founder Jere Crews is regarded as the inventor of the split A/C system. To this very day, the brand continues to stand for a strong commitment to innovation. Part of the Dometic GROUP since 2003.

MARINE AIR SYSTEMS® by Dometic GROUP

Founded in 1977, Marine Air at first concentrated on self-contained climate systems for smaller boats. Split systems and extremely high-performance chiller systems for super yachts soon followed and have long been part of the Marine Air line-up. Part of the Dometic GROUP since 2003.

### Largest global marine service network

Problems with Dometic's climate systems are extremely rare because of their high level of quality. However, should you encounter a problem or require a replacement part, Dometic is never far away. We're represented in more than 100 countries on every continent and are usually found close to the coast. This ensures that our customers all around the world have fast access to the professional support they need.

Dometic GROUP

## Dometic GROUP OEM and shipyard clients

The commitment to quality that stands behind the brand names Condaria, Cruisair and Marine Air has also made us the market leader in the marine climate sector. Most leading boat builders choose climate solutions from Dometic because no two boats are exactly the same. We supply our OEM partners with custom-made solutions: climate comfort that's precisely matched to the vessel size, the number and types of cabins, as well as the owner's habits and preferred ports of call.

**Complete climate system line-up on the Internet!**
For comprehensive information about all of the climate system models from the brands Condaria, Cruisair and Marine Air, visit **marine.dometicgroup.com/climate_systems**
The QR code takes you directly to the website.

## Partial Client List

| | | | | |
|---|---|---|---|---|
| Aicon | Cobalt | Horizon | Premier | Sri Lanka - Navy |
| Amels | Cranchi | Hunter | President | Stamas |
| Astondoa | CRN | Indian Navy | Princess | Sunreef |
| Azimut | Crownline | Israeli Navy | Proteksan | Sunrunner |
| Baltic Yachts | Donzi | Jeanneau | Regal | Sunseeker |
| Bavaria | Doral | Jefferson | Rinker | Swan |
| Bayliner | Dufour | Johnson | Riva | Ta Shing |
| Beneteau | English Pilot Boats | Lagoon | Riviera | Tecnomar |
| Benetti | Fairline | Luhrs | RMK | Thunderbird |
| Bertram | Ferretti | Maritimo | Robertson and Caine | Tiara |
| Boston Whaler | Fipa Group | Mexican Coast Guard | Sabre | Trinity |
| Broward | Fountaine Pajot | Monterey | Sanlorenzo | US Coast Guard |
| Burger | Four Winns | Mustang | Sea Ray | US Navy |
| Cabo | French Coast Guard | Nautor Swan | Sealine | Vicem |
| Chaparral | Galleon | Norhavn | Selene | Viking |
| Cheoy Lee | Grady White | Ocean Alexander | Sessa Marine | Vision |
| Chinese Coast Guard | Grand Banks | Oyster | Silverton | Wally |
| Chinese Customs | Hanse | Palmer Johnson | Skipperliner | Wellcraft |
| Christensen | Hatteras | Pendennis | South Coast | Westport |
| CNB | Hinkley | Pershing | Spanish Coast Guard | Windy Boats |

# Mobile energy systems

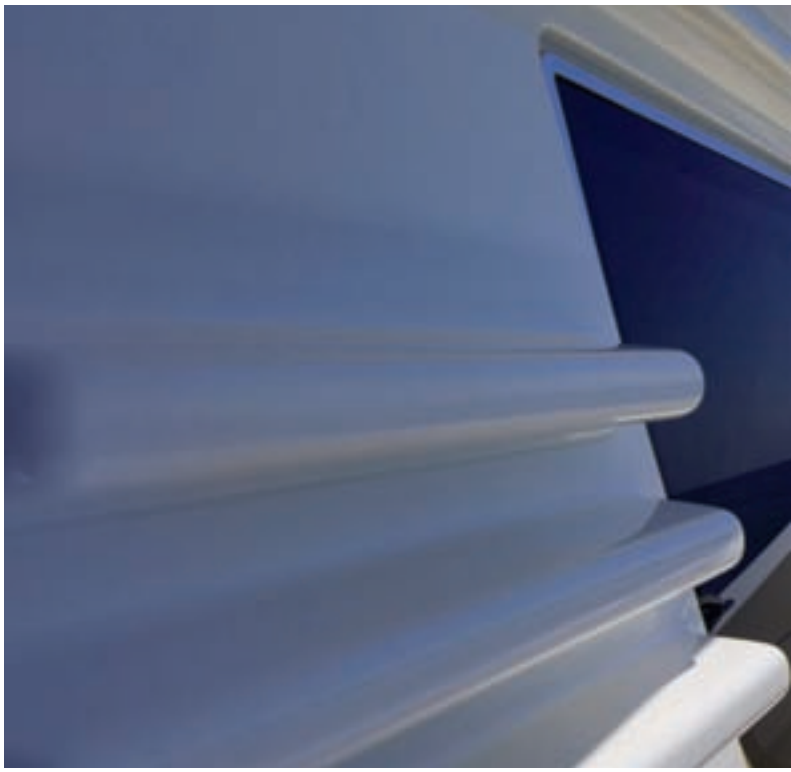
Chargers 40 – 41

Inverters 42 – 45

IU0U automatic charger / Battery care / Laptop charger / Smart inverter 46 – 47

Sine wave inverter with automatic battery charger / Generator / Charging converters / Voltage converters 48 – 49


Dometic WAECO by Dometic GROUP



## Detailed electronics info on the Internet

- What are the advantages of the 6-stage charging characteristic used by the new WAECO chargers?
- What is the purpose of a temperature sensor?
- Why should a battery be fully charged at regular intervals?
- Which inverter size fits my appliances?
- What's the meaning of mains priority circuit with voltage synchronisation?
- Are there any examples of applications for the WAECO CombiPower?

**Find answers to these and other questions on our website at**

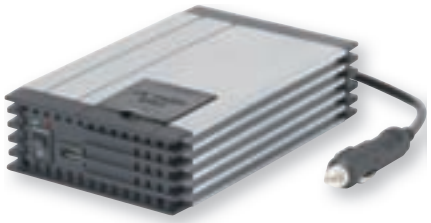
**www.waeco.com/electronic-guide**

**The QR code will take you directly to the website.**

# We've got power supply well in hand

## Energy systems from Dometic WAECO

Things that bring us fun and comfort cost energy, and that's something not available in unlimited quantities. Skill and calculation are required to make optimal use of the capacity of the onboard power network and external energy sources. This is where mobile energy systems from Dometic WAECO provide valuable support. From inverter to voltage converter, from generator to laptop charger, everything's there to make you comfortable on board.



## New stars in the WAECO electronics range

### SinePower sine wave inverters and PerfectCharge chargers

WAECO has two new product ranges that offer an entire line-up of convincing features through performance, ease of installation, a super compact design and sensationally low weight. SinePower sine wave inverters lead the competition with their very high peak outputs and the new PerfectCharge IU0U chargers ensure significantly reduced charging times, as well as being able to be located further away.

NEW

WAECO by Dometic GROUP

# 230 V › 12 V
# 230 V › 24 V

## NEW!

# Significantly shorter charging times!

## WAECO PerfectCharge battery chargers

**Sophisticated charging technology at a super price**

Faster full-capacity charging times – faster installation – favourable price: the new PerfectCharge IU0U chargers from WAECO offer a complete line-up of compelling features. They're suitable for all lead-acid batteries and deliver especially gentle and – thanks to a 6-stage charging characteristic – especially fast charging times. A standard Bus interface also turns the chargers into genuine "networkers" that can be integrated perfectly into existing Bus systems as needed.

With their surprisingly low weight and very compact design, the devices offer problem-free installation even in restricted spaces.

The WAECO PerfectCharge IU0U chargers have an input voltage range of 110 – 230 volts (90 – 260 volts) and are available in performance variants ranging from 15 A to 80 A.

- → 6-stage charging characteristic for fast, gentle battery charging
- → Two or three charging ports for simultaneously charging multiple batteries.
- → Remote control and temperature sensor as accessories

### WAECO PerfectCharge MCA 1215

- → Battery outputs: 1 + 1
- → Charging current: 15 A
- → Weight: 1.6 kg

MCA 1215, 12 V //
Ref. No.: 9102500027

### WAECO PerfectCharge MCA 1225

- → Battery outputs: 2 + 1
- → Charging current: 25 A
- → Weight: 1.7 kg

MCA 1225, 12 V //
Ref. No.: 9102500028

### WAECO PerfectCharge MCA 1235

- → Battery outputs: 2 + 1
- → Charging current: 35 A
- → Weight: 1.9 kg

MCA 1235, 12 V //
Ref. No.: 9102500029

### WAECO PerfectCharge MCA 1250

- → Battery outputs: 3
- → Charging current: 50 A
- → Weight: 3.1 kg

MCA 1250, 12 V //
Ref. No.: 9102500030

→ More information / technical data on p. 86 – 87

Contents, specifications and availability are subject to change due to technical improvement.

Accessories available

## WAECO PerfectCharge MCA 1280

- → Battery outputs: 3
- → Charging current: 80 A
- → Weight: 4.0 kg

MCA 1280, 12 V //
Ref. No.: 9102500031

## WAECO PerfectCharge MCA 2415

- → Battery outputs: 2
- → Charging current: 12,5 A
- → Weight: 1.6 kg

MCA 2415, 24 V //
Ref. No.: 9102500032

## WAECO PerfectCharge MCA 2425

- → Battery outputs: 3
- → Charging current: 25 A
- → Weight: 2.9 kg

MCA 2425, 24 V //
Ref. No.: 9102500033

## WAECO PerfectCharge MCA 2440

- → Battery outputs: 3
- → Charging current: 40 A
- → Weight: 3.9 kg

MCA 2440, 24 V //
Ref. No.: 9102500034

Two bus interfaces as standard

DIP switches

Digital interface

→ More information / technical data on p. 86 – 87

WAECO
by Dometic GROUP

# NEW!

# Lightweight, compact, high peak output levels

## WAECO SinePower sine wave inverters

**Optional mains priority circuit and CAN-Bus interface**

SinePower sine wave inverters use 12-volt or 24-volt battery current to produce the same pure 230-volt alternating current available from a home wall outlet. This ensures the problem-free mobile operation of all kinds of appliances, even highly sensitive 230-volt devices (e.g. computers, PAD coffee machines, electric toothbrushes, etc.)

The extremely high peak output levels are a special quality feature of the new generation of WAECO inverters. The devices have sufficient capacity to easily accommodate high starting currents generated by connected appliances. Other advantages: simple installation, super-compact design and low weight – the inverters are easy to install, even if there's a shortage of space.

- → Inexpensive basic solutions in the 900/1300 watt range without a mains priority circuit
- → 1800-watt version available with/without mains priority circuit
- → High-performance inverters rated at 2300/3500 watts with a mains priority circuit and CAN-Bus interface (parallel connection of up to three inverters possible = tripling performance!)

### WAECO SinePower MSI 912 / MSI 924

**Sine wave inverter 900 W**
→ Continuous power at 25°C: 900 W
→ Peak power: 1900 W

MSI 912, 12 V // Ref. No.: 9102600111
MSI 924, 24 V // Ref. No.: 9102600112

### WAECO SinePower MSI 1312 / MSI 1324

**Sine wave inverter 1300 W**
→ Continuous power at 25°C: 1300 W
→ Peak power: 2900 W

MSI 1312, 12 V // Ref. No.: 9102600113
MSI 1324, 24 V // Ref. No.: 9102600114

### WAECO SinePower MSI 1812 / MSI 1824

**Sine wave inverter 1800 W**
→ Continuous power at 25°C: 1800 W
→ Peak power: 3900 W

MSI 1812, 12 V // Ref. No.: 9102600115
MSI 1824, 24 V // Ref. No.: 9102600116

→ More information / technical data on p. 86 – 87

Contents, specifications and availability are subject to change due to technical improvement.

# Pure sine voltage at a budget price

If there's only a single modest 230-volt appliance on board – a television, for example, or a cell phone charger – the two smallest WAECO SinePower models are right for the job. Super-slimline design, USB interface, attractive price!

NEW!

## WAECO SinePower MSI 212 / MSI 224

**Sine wave inverter 150 W**

→ Continuous power: 150 W
→ Peak power 300 W
→ Weight: 0,82 kg

MSI 212 // Ref. No.: 9102600124
MSI 224 // Ref. No.: 9102600125

## WAECO SinePower MSI 412 / MSI 424

**Sine wave inverter 350 W**

→ Continuous power: 350 W
→ Peak power 700 W
→ Weight: 0,82 kg

MSI 412 // Ref. No.: 9102600126
MSI 424 // Ref. No.: 9102600127

Integrated mains priority circuit!

**+ Accessories available**

## WAECO SinePower MSI 1812T / MSI 1824T

**Sine wave inverter 1800 W**

→ Continuous power at 25°C: 1800 W
→ Peak power: 3900 W

MSI 1812T, 12 V // Ref. No.: 9102600117
MSI 1824T, 24 V // Ref. No.: 9102600118

## WAECO SinePower MSI 2312T / MSI 2324T

**Sine wave inverter 2300 W**

→ Continuous power at 25°C: 2300 W
→ Peak power: 4000 W

MSI 2312T, 12 V // Ref. No.: 9102600119
MSI 2324T, 24 V // Ref. No.: 9102600120

## WAECO SinePower MSI 3512T / MSI 3524T

**Sine wave inverter 3500 W**

→ Continuous power at 25°C: 3500 W
→ Peak power: 6000 W

MSI 3512T, 12 V // Ref. No.: 9102600121
MSI 3524T, 24 V // Ref. No.: 9102600122

→ More information / technical data on p. 86 – 87

WAECO by Dometic GROUP

# Modified sine wave voltage!

## WAECO PerfectPower inverters

**230 volts for many commonly used appliances**

The economically priced inverters in the WAECO PerfectPower series offer a modified output voltage – sufficient for appliances with a wide range of input voltages (hair dryer, vacuum cleaner, microwave). Both high-performance inverters (1000/2000 watts) are equipped with a mains priority circuit and can be connected to a remote control. All PerfectPower models can be switched on/off using an external switch and have adjustable mounting feet.

**With mains priority circuit**

### WAECO PerfectPower PP 1002 / PP 1004

**High-performance inverter 1000 W**

→ Continuous power: 1000 W
→ Peak output: 2000 W
→ Weight: approx. 3.5 kg

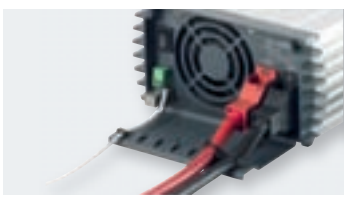
PerfectPower PP 1002, 1000 W, 12 V // Ref. No.: PP1002
PerfectPower PP 1004, 1000 W, 24 V // Ref. No.: PP1004

### WAECO PerfectPower PP 2002 / PP 2004

**High-performance inverter 2000 W**

→ Continuous power: 2000 W
→ Peak output: 4000 W
→ Weight: approx. 5 kg

PerfectPower PP 2002, 2000 W, 12 V // Ref. No.: PP2002
PerfectPower PP 2004, 2000 W, 24 V // Ref. No.: PP2004



**+ Accessories available**

→ More information / technical data on p. 88

Contents, specifications and availability are subject to change due to technical improvement.

## WAECO PerfectPower PP 152 / PP 154

**Inverter 150 W**

→ Continuous power: 150 W
→ Peak output: 350 W
→ Weight: approx. 0.84 kg
→ With cigarette lighter plug

PerfectPower PP 152, 150 W, 12 V //
Ref. No.: PP152
PerfectPower PP 154, 150 W, 24 V //
Ref. No.: PP154

## WAECO PerfectPower PP 402 / PP 404

**Inverter 350 W**

→ Continuous power: 350 W
→ Peak output: 700 W
→ Weight: approx. 0.99 kg

PerfectPower PP 402, 350 W, 12 V //
Ref. No.: PP402
PerfectPower PP 404, 350 W, 24 V //
Ref. No.: PP404

## WAECO PerfectPower PP 602 / PP 604

**Inverter 550 W**

→ Continuous power: 550 W
→ Peak output: 1100 W
→ Weight: approx. 1.4 kg

PerfectPower PP 602, 550 W, 12 V //
Ref. No.: PP602
PerfectPower PP 604, 550 W, 24 V //
Ref. No.: PP604

→ More information / technical data on p. 88

For supply batteries **up to 100 Ah**

# Affordable entry-level pricing for IU0U charging technology

Powerful performance at a low price: The proven WAECO PerfectCharge compact charger is ideal for charging supply batteries (up to 100 Ah) on smaller boats. Thanks to a large input voltage range, the charger easily compensates for fluctuations in the mains power supply while in port. Switch mode design ensures high efficiency.

## WAECO PerfectCharge IU 812

**IU0U automatic charger, 12 volts**

- → Modified IU0U curve, optimised for charging wet, gel and AGM batteries
- → Overcharging protection through time limits on the IU0 phase
- → Quick charging, even with mains power fluctuations
- → Can also be used as mains adapter

Ref. No.: 808-012/1

## Battery refresher & battery conditioner

WAECO PerfectBattery products keep the batteries on boats or other vehicles in top-notch condition and help them bridge long periods of standstill.

## WAECO PerfectBattery BR 12

**Battery refresher, 12 volts**
**Extends the service life of wet, gel and AGM batteries**

- → Reduces sulphate deposits, the cause of premature battery ageing
- → Reactivates apparently defective batteries by destroying existing sulphate crystals

Ref. No.: MBR-100-12

## WAECO PerfectBattery BC 100

**Battery conditioner, 12 volts**
**Three functions in one unit: conditioning, charging, back-up mains adapter**

- → For service and maintenance of all 12-volt batteries
- → Bridges long periods of standstill
- → Can also be used as charger or back-up mains adapter

Ref. No.: MBCC-100

→ More information / technical data on p. 88

Contents, specifications and availability are subject to change due to technical improvement.

## Smart inverters and laptop chargers

Before the battery of your electric shaver, camera or other small appliance discharges completely, you should reach for the WAECO mini inverter **PocketPower SI 102**. It takes the energy needed to keep operating from the 12-volt onboard battery and fully recharges the notebook battery.

They're not just for notebooks of many leading manufacturers. You can also entrust GPS devices, cell phones, your iPhone or MP3 player to the **WAECO PocketPower LC** charger. It has an input voltage range from 12 – 24 volts, is super lightweight and extremely reliable.

### WAECO PocketPower LC

**Universal laptop charger for use in vehicles / boats**

→ For laptops, cell phones, MP3 players, navigation devices, etc.
→ 13 adapters for more than 400 different laptops
→ USB connection plus a Micro USB cable for simultaneous charging of cell phones
→ Lockable DC power plug

Ref. No.: 9102500022

### WAECO PocketPower SI 102

**Smart inverter for mobile use, 100 watts**
**Turns 12-volt battery voltage into sine-wave-like 230-volt AC**

→ For the operation of small appliances
→ Euro socket
→ USB charging port

Ref. No.: 2222600001

→ More information / technical data on p. 87

# WAECO CombiPower

## Sine wave inverter and automatic battery charger in one device

Limited shore-side power supply? Everything on board can still run smoothly because CombiPower monitors the mains input and responds to each situation accordingly. Thus it supports the limited power capacity of an external energy source through battery power. If the external sources fail completely, the inverter automatically provides power to the attached appliances. If the mains input is adequate, the battery is charged with consideration given to the settings of the current limiter and the actual 230-volt power consumption

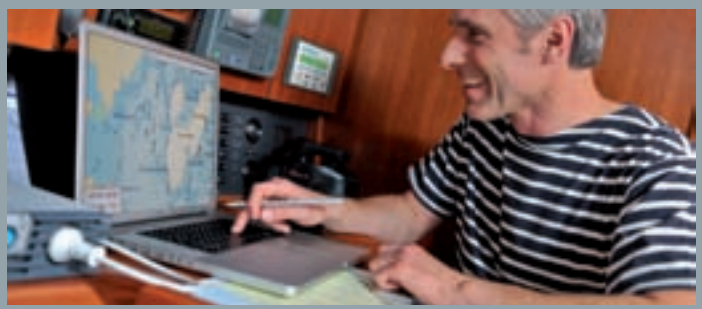
**Intelligent AC power management**

### WAECO CombiPower 2012 / 2024

**Sine wave inverter with integrated automatic battery charger, 12 or 24 volts/2000 watts**

- → Boosts external mains supply with power from the battery
- → Clever power-sharing feature prevents overload of shore-side power supply
- → Uninterruptible power supply
- → Pure 230-volt output voltage, ideal for sensitive electronics
- → 6-stage automatic charger with conditioning function

CombiPower 2012, 2000 watts, 12 volts // Ref. No.: 9102600104
CombiPower 2024, 2000 watts, 24 volts // Ref. No.: 9102600105



### Diesel generator: compact powerhouse

This generator has real power: with a continuous output of 3.5 kilowatts the BLUTEC 40D will easily power two self-contained air conditioners. Precision quartz technology delivers pure sine wave voltage that's ideal for even sensitive electronic devices. An additional 12-volt output is available for charging the starter battery. The BLUTEC is one of the most compact diesel generators on the market and easily installs on board.

Dometic

### Dometic BLUTEC 40D

**3.5-kW diesel generator for generating 230-volt alternating current**

- → Suitable as a power source for two powerful air conditioners (e.g., each rated at 15,000 BTU/h)
- → Low weight, small footprint
- → Robust design with stainless steel housing
- → Convenient digital control panel

Ref. No.: 9102900202
**Essential accessory**: installation kit // Ref. No.: 9102900035

→ More information / technical data on p. 89

Contents, specifications and availability are subject to change due to technical improvement.

## IU-charging converters

Sensitive 12-volt appliances depend on a constant, stable voltage that the onboard battery cannot always supply. Simply connect a PerfectCharge IU charging converter between the power sources: it stabilises voltage and compensates for over- and undervoltage in the range from 8 – 16 volts. By increasing the charging voltage, it also ensures complete charging of supply batteries during a cruise.

## Voltage converters

If the 24-volt on-board battery powers the 12-volt navigation system and the 24-volt coffee maker works problem-free with a 12-volt supply, there's bound to be a PerfectPower voltage converter somewhere along the line. This product range satisfies the highest standards with respect to voltage stability and operating safety. Also functions as a high-quality IU charger, can be operated in parallel mode.

### WAECO PerfectCharge DC 08 / DC 20 / DC 40

**Charging converters and battery chargers with 8 A / 20 A / 40 A output current**

- → Ideal for voltage stabilisation and for charging the supply battery while cruising
- → High efficiency
- → Electrically isolated input and output voltage

PerfectCharge DC 08, 8 A, 12 volts » 12 volts // Ref. No.: DC1212-08
PerfectCharge DC 20, 20 A, 12 volts » 12 volts // Ref. No.: DC1212-20
PerfectCharge DC 40, 40 A, 12 volts » 12 volts // Ref. No.: DC1212-40

### WAECO PerfectPower DCDC 10 / DCDC 20 / DCDC 40

**Voltage converters with 10 A / 20 A / 40 A output current**

- → Ideal for sensitive appliances
- → Electrically isolated input and output voltage
- → Can also be used as battery chargers
- → To increase capacity, several converters can be used in parallel

PerfectPower DCDC 10, 10 A, 12 V » 24 V // Ref. No.: DC1224-10
PerfectPower DCDC 20, 20 A, 12 V » 24 V // Ref. No.: DC1224-20

PerfectPower DCDC 10, 10 A, 24 V » 24 V // Ref. No.: DC2424-10

PerfectPower DCDC 20, 20 A, 24 V » 12 V // Ref. No.: DC2412-20
PerfectPower DCDC 40, 40 A, 24 V » 12 V // Ref. No.: DC2412-40

→ More information / technical data on p. 87 + 89

# Mobile comfort solutions


Vacuum cleaners 50 – 51

Blinds 52 – 53

Safe 53


Dometic

WAECO by Dometic GROUP

## Wet-and-dry vacuum cleaner

The handy WAECO PowerVac PV 100 doesn't need an external power supply because it comes with its own integrated battery. Up to 18 minutes of intensive vacuuming are possible before recharging is necessary – using the main or a 12-volt battery. Even stubborn dirt is no match for the PowerVac's considerable suction power. The vacuum also handles liquids with absolutely no problem. A practical, super compact device for the boat and home!

## WAECO PowerVac PV 100

WAECO by Dometic GROUP

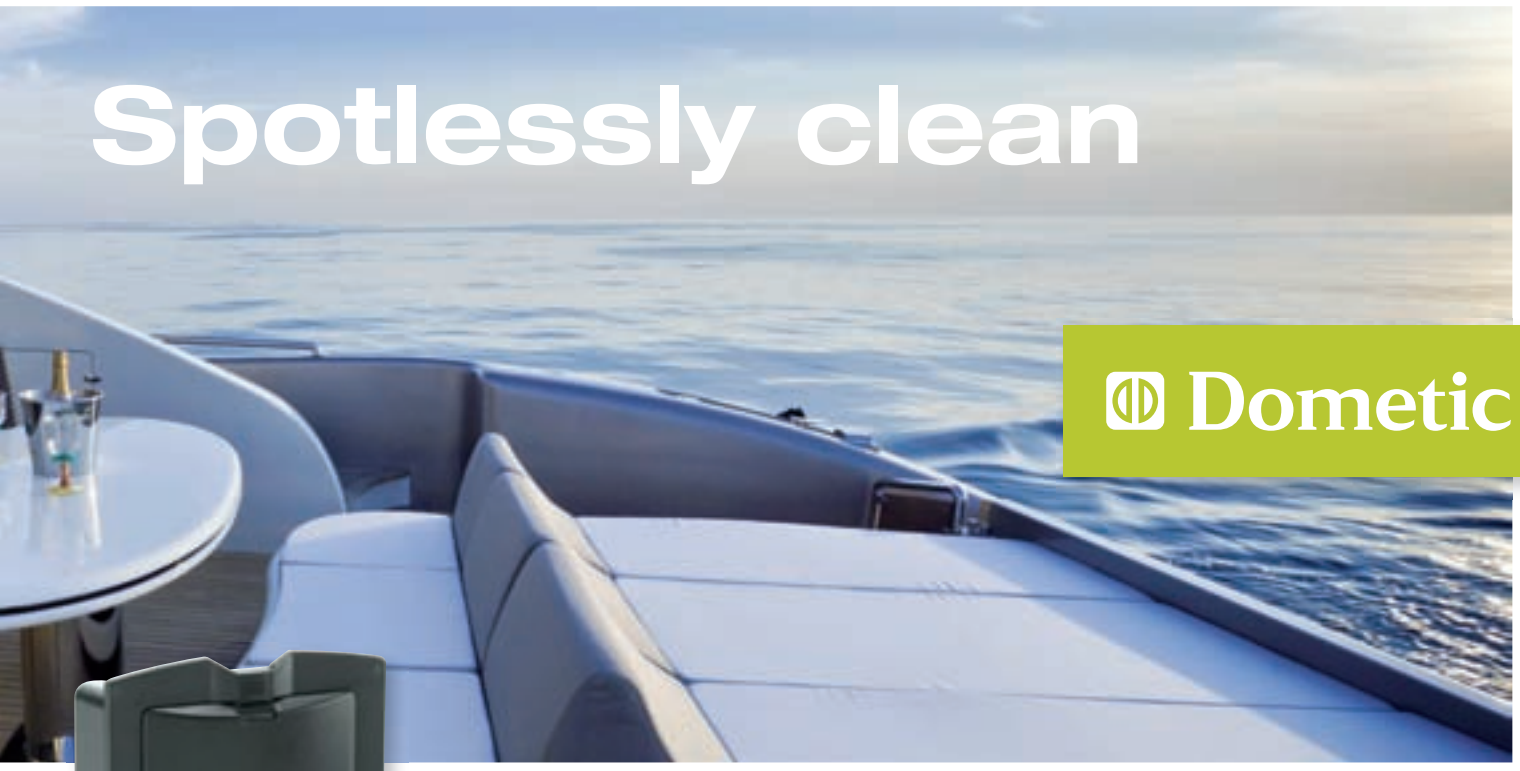
**Wet/dry vacuum cleaner with 12-volt rechargeable battery**

- → Handy, battery-powered vacuum cleaner for mobile use in cars, motorhomes, caravans, boats and home
- → Maximum mobility with rechargeable 12-volt battery
- → Can be recharged from 12 and 230 volts
- → Easy-to-clean dust container and fabric filter
- → Cleaning power: 400 mm water column

Ref. No.: 9103500212

Contents, specifications and availability are subject to change due to technical improvement.

# Spotlessly clean



Dometic

## Central vacuum cleaning system

The Dometic CV 2004 is barely the size of a shoebox and can be so perfectly integrated into unused storage spaces that only a small connection socket remains visible. When the elastic 12-metre long hose is connected to this socket, the vacuum starts automatically and removes dirt from the most remote corner and the tiniest crack. The innovative triple filtration system (suitable for allergy sufferers) and the powerful motor also ensure efficient cleaning of the exhaust air.

## Dometic CV 2004

**Central vacuum cleaning system**

→ Efficient and hygienic thanks to a powerful motor and triple filter system
→ Ideal for concealed installation in storage compartments
→ Can be installed horizontally or vertically
→ Flexible 12-metre hose
→ Diverse brushes and nozzles included

Ref. No.: 9103500002

**Optional extras**

Vacuum cleaner bag (5 pieces) // Ref. No.: 9103500005

**marine.dometicgroup.com/vaccumcleaners**

**You can view the complete technical data for the PowerVac and CV 2004 on our marine website. The QR code will take you directly to the site.**

Dometic

# Privacy protection

## High-quality blackout blinds

The elegant Dometic Super Mini roller blinds were specially developed for the marine sector and are available for all common porthole and window sizes. They keep out prying eyes as well as excessive sun. An effective blackout performance and privacy shield with excellent heat reflection, combined with quick and assembly. Features like these make these blinds a real winner.

They look great too. Fine decorative fabric in a neutral white colour, low-profile aluminium housing, end caps with hidden mountings – absolutely perfect!

- **High-quality fabric**
- **Effective privacy protection**
- **Excellent heat reflection**
- **Elegant, narrow design**

Contents, specifications and availability are subject to change due to technical improvement.

## Dometic Super Mini Rollo 1440

**Privacy and sun protection**

340 x 320 mm // Ref. No.: 9104106706

380 x 320 mm // Ref. No.: 9104106707

460 x 320 mm // Ref. No.: 9104106708

660 x 320 mm // Ref. No.: 9104106709

720 x 320 mm // Ref. No.: 9104106710

# Security for your valuables

### Safe with mechanical locking system

Where to put passports, money, and jewellery if you want to go to the beach or into town? The same company that equips hotels all over the world with room safes also offers a tailor-made security concept for your boat. The relatively lightweight Dometic SAFE 310C thwarts thieves with a steel enclosure, a door equipped with 19-mm steel bolts and a proven mechanical locking system. The safe can be installed horizontally or vertically depending on the room layout.

## Dometic SAFE 310C

**Safe with mechanical locking system**
**For secure storage of valuables on yachts and boats**
→ Capacity: 9 litres
→ Weight: 7 kg
→ Dimensions (W x H x D): 310 x 165 x 235 mm
→ Steel wall thickness: Door: 5.0 mm, cabinet: 2.0 mm
→ Steel bolts: 2 x 19 mm

Ref. No.: 9106600543

**Optional extras**
Fixing kit // Ref. No.: 9106600005

# Mobile kitchen solutions


**Cooking with alcohol**

Alcohol stoves / oven 56 – 57

**Cooking with gas**

Gas cookers 58 – 59

Cooker / oven combinations / ovens 60 – 61

**Electric cooking**

Electric ceramic cooktops / grill / air recirculation cooker hood / electric kettle / coffee makers 62 – 63


Dometic WAECO by Dometic GROUP

## Criteria for selecting the right cooker

**Whether you're cooking with alcohol, gas or electricity, Dometic can offer you many product solutions for each type of energy source. Determining what kind of cooker is right for you, your boat or your holiday plans isn't so easy. With the help of the following questions and a little technical background information, we'll guide you in making the selection that's right for you.**

### These are the questions you should ask:

1. Do I want a built-in or a free-standing model designed for universal use?
2. Is cooking time important to me?
3. Will I only cook in harbour or also at sea?
4. Do I need to consider cooking odours?
5. Is it easy to get alcohol or gas while underway?
6. Can the cooker tolerate rough seas?

# Which cooker is right for my boat?

## 1. Cooking with alcohol

Safe, reliable and superbly quiet

Alcohol cookers are traditionally considered to be the safest way to cook at sea. That's because they work without pressure, are pleasantly quiet and require little space. Alcohol cookers from Dometic have been successful in the marketplace for more than 25 years. Customers appreciate the long burning times, the functional design using rust-free stainless steel and the wide selection of accessories.

## 2. Cooking with gas

Fast and energy efficient

Liquefied gas (e.g., propane gas) has a higher heating value per kilogram than all other liquefied fuels. The flame can be regulated precisely, which gives you control of cooking performance at all times. Dometic gas cookers are equipped with a safety ignition system that immediately interrupts the flow of fuel when the flame is extinguished. The cookers are considered to be among the safest on the market and are available in many different models.

## 3. Cooking with electricity

Easy operation, effortless cleaning

Nothing could be more convenient. Just turn the dial or press the button and start cooking!

Cleaning up after a meal is a breeze. Dometic electric cooktops have a scratch-resistant glass ceramic surface with rounded edges. There's a model to match every need – from compact built-in units to new induction cooktops with advanced Touch Control operation. For cooking both at sea and in harbour, choose an alcohol/electric combo.

Also for heating

## Dometic ORIGO 5100

Boat heater / 1-burner alcohol stove

→ Heater and stove all in one
→ Can also be used for keeping food warm
→ 1500 watts output in heater mode

Ref. No.: 9103303920

# Cooking, heatin and baking with

Alcohol-fuel is available almost everywhere and is absolutely safe. If you want to use this proven fuel in your onboard galley, we can offer you an entire spectrum of appropriate cookers: either free-standing or designed as a built-in, as a 1-burner or 2-burner model, with an oven or as a super compact model with heating functionality. Two units equipped with an additional 230-volt heater coil can also be operated electrically.

## Dometic ORIGO 6000

Free-standing alcohol oven / stove

→ High cooking power on all plates – fast, flexible cooking on board
→ Easy access to the alcohol-fuel container – simple and safe to fill
→ With gimbals – to keep the stove level in all weather

Ref. No.: 9103303922

## Dometic ORIGO 1500 / 3000

1- or 2-burner free-standing alcohol stove

→ Compact design –easy to stow away
→ High cooking power on all plates – fast, flexible cooking on board
→ Easy access to the alcohol-fuel containers – simple and safe filling
→ Useful accessories – cutting board and potholder
→ Free-standing models optionally available with gimbals – to keep the stove level in all weather

ORIGO 1500 // Ref. No.: 9103303880
ORIGO 3000 // Ref. No.: 9103303882

**Optional extras available**

→ More information / technical data on p. 90 – 93

Contents, specifications and availability are subject to change due to technical improvement.

## Alcohol stoves

### Dometic ORIGO A100 / A200

1- or 2-burner built-in alcohol stove

→ Easy and convenient to use
→ Easy to fit

ORIGO A100 // Ref. No.: 9103303935
ORIGO A200 // Ref. No.: 9103303937

## Combined alcohol/electric stoves

### Dometic ORIGO C100 / C200

1-burner built-in alcohol/electric stoves

→ Easy and convenient to use
→ Pressure-free alcohol fuel – the safest way to cook afloat
→ Cook with heater coils when connected to AC power

ORIGO C100 // Ref. No.: 9103303939
ORIGO C200 // Ref. No.: 9103303941

### Dometic ORIGO 2000 / 4100

1- or 2-burner built-in alcohol stove

→ Low built-in height – ideal in confined spaces
→ Flush-mounted – elegant appearance
→ Detachable pan support and rounded corners – easy to clean

ORIGO 2000 // Ref. No.: 9103303884
ORIGO 4100 // Ref. No.: 9103303890

**Optional extras available**

→ More information / technical data on p. 90 – 93

## Free-standing gas cookers with gimbals

Even when things get a bit rough on board – these easy-to-clean Dometic gas cookers remain a haven of tranquillity. They include a cardanic, or gimballed, mounting frame and also feature individually adjustable potholders. The single- or double-burner units can be permanently installed in the pantry and galley, or even be used as a free-standing unit on deck. They offer an output of 1600 watts per burner and are equipped with a safety ignition system and heat shield.

### Dometic EK 1600 / EK 3200

Single- / Double-burner free-standing gas cooker

- → Can be used as a permanently installed or free-standing unit
- → Adjustable potholder
- → Safety ignition system
- → High-quality stainless steel

EK 1600 // Ref. No.: 9103300400
EK 3200 // Ref. No.: 9103300401

# Gas cookers: Ideal for impatient cooks!

Cooking with gas is fast and it's the favourite cooking method of all professional cooks because the strength of the gas flame can be regulated precisely. If you're looking for a built-in solution that's perfect for daily use, the Dometic series has the right gas cooker for you. The models PI8062M and PI8063M have a heat-resistant glass lid that serves as an expanded work surface when folded down.

- → **Stainless steel burner lid**
- → **Detachable pan support – easy to clean**
- → **Potholder included**
- → **Safety ignition system**

**Hob/sink combos for every need**

→ More information / technical data on p. 90 – 93

Contents, specifications and availability are subject to change due to technical improvement.

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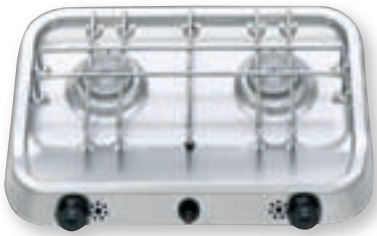
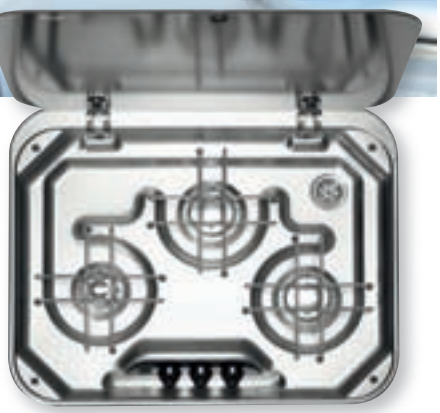




## Dometic SMEV PI2232M

2-burner hob

- → Gas consumption: 204 g/h
- → Dimensions (W x H x D): 380 x 90 x 280 mm
- → Detachable chromed pan support – easy to clean
- → Stainless steel burner cap

Ref. No.: 9102300032

## Dometic SMEV PI8062M

2-burner hob with glass lid

- → Gas consumption: 204 g/h
- → Dimensions (W x H x D): 480 x 90.5 x 370 mm
  Built-in dimensions (W x H x D): 466 x 358 mm
- → Weight: 3.6 kg

Ref. No.: 9102300008

## Dometic SMEV PI8063M

3-burner hob with glass lid

- → Gas consumption: 335 g/h
- → Dimensions (W x H x D): 560 x 90.5 x 440 mm
  Built-in dimensions (W x H x D): 546 x 428 mm
- → Weight: 5.2 kg

Ref. No.: 9102300009

View even more products for the galley at
**marine.dometicgroup.com/kitchen**

Our catalogue provides a good cross-section of products, but can't present all of the galley solutions that Dometic offers for your yacht or boat. That's why you should make a point to visit the marine section of our website. You'll find additional cookers, induction cooktops, sinks, hob/sink combos and accessories in all variations.

→ More information / technical data on p. 90 – 93

# Gas cooker with glass surface

A sparkling sight that is a breeze to clean: the mirror-smooth surface in heat-resistant safety glass reflects the blue burner flames. The eye-catching design of the turning dials adds stylish accents to the front, which integrates a transparent door for the oven and grill. Pots and pans rest on stainless steel grates. “Extras” like potholders and gimbals are included as standard.

## Dometic SMEV CU433 MoonLight

Oven with grill and 3-burner hob

- → Heat-resistant safety glass surface – elegant and easy to clean
- → 30-litre gas oven with grill
- → Transparent oven door with safety lock
- → Electronic 12-volt ignition
- → Safety ignition system

Ref. No.: 9102302556

**Heat resistant, reflective glass surface**

## Slimline cooking

Recently, an increasing number of customers asked us for a high-performance cooker that would neatly fit into smaller galleys. Well, here it is! The Dometic Starlight features a 2-burner hob, an oven and a grill cabinet that is extra-slimline in design. It has a satin surface finish, is well equipped with pot holders and has a semi-gimbal suspension. Highly efficient use of energy is yet another field where the StarLight cooker excels. Suitable for DIY or professional installation.

## Dometic StarLight

Oven with grill cabinet and 2-burner hob

- → 28-litre gas oven with grill cabinet
- → Slimline design: Ideal for smaller galleys or confined spaces
- → Transparent door with safety lock
- → Safety ignition system

Ref. No.: 9103303820

→ More information / technical data on p. 90 – 93

Contents, specifications and availability are subject to change due to technical improvement.

Gas

Dometic

# Baking, cooking and grilling with gas

## Complete solutions for the connoisseur

From a culinary standpoint, here's where you can completely pamper yourself. Oven, grill, 2-burner hob – everything's there. Both units are identical with respect to size and fittings, differing only in their appearance.

## Dometic SMEV CU333GTM / CU333GTWM

Oven with grill and double-burner hob

- → Electronic 12-volt ignition
- → Safety ignition system
- → Equipped with grill
- → Oven doors with safety lock
- → Stainless steel burner caps
- → Stainless steel pot holder, enamelled baking tray and oven rack included with each unit

SMEV CU333GTM // Ref. No.: 9102302156
SMEV CU333GTWM // Ref. No.: 9102302157

## Dometic SMEV FO211GT / FO311GT

Ovens with grill

- → With rotary tray and highly insulated multi-layer door
- → Electronic 12-volt ignition
- → Safety ignition system
- → Oven doors with safety lock

SMEV FO211GT // Ref. No.: 9102302150
SMEV FO311GT // Ref. No.: 9102302151

**marine.dometicgroup.com/cooking_with_gas**
Find additional ovens with a grill, often combined with a cooking hob, in the marine section of our website.

→ More information / technical data on p. 90 – 93

Dometic

AC
230 volts

# Cooking and grilling with electricity

## Elegant and easy to clean

A 230-volt connection and a preference for fast cooking times with an elegant design required? The Dometic ORIGO E200 offers cooking with fast radiant heat and easy to regulate top-mounted controls. Frameless and completely flush, the glass ceramic cooktop blends in nicely with the surrounding surface.

## 230-volt grill

Grill chefs don't want to do without this cooking method while underway. Especially when foreign ports of call have so many appealing and delicious foods to grill. With this compact electric grill from Dometic, grilling on board becomes a clean and convenient pleasure. Easy to use, hassle-free to clean and a pleasure to behold with its mirror-polished stainless steel surface.

### Dometic ORIGO E200

2-hotplate ceramic cooktop
→ Flush-mounted – elegant appearance
→ Hot-surface indicator – for maximum safety
→ High cooking power – fast, flexible cooking on boar

Ref. No.: 9103303967

### Dometic PI7093

230-volt grill
→ Mirror-polished stainless steel finish

Ref. No.: 9102302153

→ More information / technical data on p. 90 – 93

Contents, specifications and availability are subject to change due to technical improvement.

# Mobile pad coffeemaker

For commercial coffee pads

## WAECO PerfectCoffee PAD 01

Pad coffee maker, 1-cup, 12/230 volts

- → 12-volt operation with intelligent inverter, 230-volt connection cable and plug for home use
- → Pad type: Soft pads, approx. 70 mm
- → With fixing kit and two cups
- → Fresh coffee after 3 minutes brewing time

Ref. No.: 9103500364

## This makes your galley complete

Brew coffee or tea ? That's something you can do on board in complete comfort. Electric kettles, and coffee makers are specially developed for mobile use. The PAD 01 was created in cooperation with WMF, the German manufacturer of coffee makers, for a quick and satisfying cuppa.

WAECO by Dometic GROUP

## WAECO PerfectKitchen MCK 750

Electric kettle for 12 or 24 volts

- → Capacity: approx. 0.75 litres
- → Tailor-made for mobile use
- → Robust relay technology
- → Wall or desk mounting

PerfectKitchen MCK 750, 12 volts // Ref. No.: MCK-750-12/N
PerfectKitchen MCK 750, 24 volts // Ref. No.: MCK-750-24/N

## WAECO PerfectCoffee MC 08

Coffee maker de Luxe for 8 cups, 12 or 24 volts

- → Capacity: approx. 8 cups (750 ml)
- → Automatic cut-off after brewing
- → Removable water tank
- → Wall or desk mounting

PerfectCoffee MC 08, 12 volts // Ref. No.: MC-8-12LX/N
PerfectCoffee MC 08, 24 volts // Ref. No.: MC-8-24LX/N

## Removes fumes:

## Dometic CK 2000

Air recirculation cooker hood with replaceable activated carbon filter

- → Washable metal grease filter, easily replaceable carbon filter
- → Easy access to grease filter and carbon filter
- → Two-speed fan, two integrated halogen lamps

Ref. No.: 9107300002

→ More information / technical data on p. 90 – 93

# Mobile sanitation solutions


**Toilets**

Macerator toilets 66

Vacuum toilets and accessories 67

**Marine holding tank system** 68 – 69

Accessories for holding tanks 70 – 71

Pressurised water pumps 71

Accessories and spare parts 72

Toilet paper 72

Portable toilets 73


Sealand® by Dometic GROUP

Dometic

**NETHERLANDS**

From 1st of January 2009, release of black water from any type of recreational craft is prohibited. All existing yachts with toilets must be equipped with holding tanks of adequate capacity as of January 1st 2009.

**UNITED KINGDOM**

Direct discharge of sewage into inland waters is prohibited. Codes of Best Practice are strongly encouraged.

**FRANCE**

Recreational boats equipped with toilets and built after January 1st 2008 which enter maritime or inland ports must be equipped with an installation that permits either storing toilet water or treating it.

**SPAIN**

All vessels built in May 2004 or later must have a holding tank installed.

**BALTIC SEA**

The Helsinki Convention for the protection of the Baltic Sea (HELCOM) recommends installation of toilet retention systems on all ships. The recommendation is still awaiting transposal into national law.

**USA**

Since 1980 all boats in US waters with a permanent toilet must be equipped with a Marine Sanitation Device. Waters of special concern (drinking water, shellfish beds and others) can be designated a No Discharge Zone, where treatment devices of any type cannot be used.

# Sanitary comfort on board

## Complete toilet systems and accessories

Let's start with the holding tank: More and more countries have passed laws governing the discharge of wastewater. Boat owners who have installed a holding tank are always on the safe side of the law when sailing far-away waters. Dometic has been active for years in the use of holding tanks and pumping stations in order to keep our marinas and the marine environment clean. Wastewater sewage systems from Dometic are odour-free, easy to handle and meet international technical standards.

### Choose from three toilet technologies

**Dometic has the perfect toilet for your boat. Select the toilet that fits.**

### Electric toilets

SeaLand MasterFlush electric toilets from Dometic install quickly and easily. They work with an integrated lifting and macerating unit, operate quietly and offer good flushing performance. Ideal for connecting to a holding tank, which may also be located farther away.

### Vacuum toilets

SeaLand VacuFlush vacuum toilets from Dometic stand out through their low water consumption. As a result, smaller water tanks can be used because of the low consumption, fresh water flushing is possible. Benefit: absolutely no unwanted odours.

### Portable toilets

A space-saving and uncomplicated hygiene solution for small boats. Dometic SaniPottie® portable toilets are comfortable, easy to use and very attractively priced.

SeaLand by Dometic GROUP

Video

# Elegant design, powerful flush

8100 series with sloped back

## SeaLand MasterFlush toilets set new standards on board

### Electric toilets with macerating system

The same level of quality as your toilet at home: high-quality ceramic bowl, a sturdy toilet lid made of enamelled wood, convenient control elements, very low noise levels and connections that are invisible on the outside so they won't spoil the aesthetic appearance. SeaLand MasterFlush electric toilets work with an integrated macerating and pumping system and are ideal for connecting to a holding tank. This tank can be located up to 30 metres away or up to 3 metres above the toilet – the powerful pump manages distances like these without a problem as an integral duckbill valve completely prevents any backflow of wastewater.

## SeaLand MasterFlush

Electric toilet as **low-profile** model
and **standard height**, 12 and 24 volts

MasterFlush 8112, Low-profile, 12 volts // Ref. No.: 304811201
MasterFlush 8116, Low-profile, 24 volts // Ref. No.: 304811601
MasterFlush 8152, Standard, 12 volts // Ref. No.: 304815201
MasterFlush 8156, Standard, 12 volts // Ref. No.: 304815601

**Flush/automatic motor activation**
Press and hold the button until bowl content has been discharged. Pressing the button activates the macerator system, which breaks down both waste and paper and discharges them together with the water into the holding tank.

**Water supply**
Press and hold the button until the required water level in the toilet bowl is reached.

**Complete discharge**
Practical for high seas: so that no water splashes in the WC, bowl water can be discharged completely.

The **macerator blades**, made from high-quality stainless steel, are designed for heavy-duty use and are extremely robust.

→ More information / technical data on p. 94

Contents, specifications and availability are subject to change due to technical improvement.

# Extremely low water consumption

Video

## Vacuum toilets to match every requirement

Only 0.47 litres of water per flush: The VacuFlush 500 and 5000 series from Dometic conserve fresh water resources; the size of the holding tank can be reduced accordingly. Standard flush and economy flush are both possible with the 4800 series. Toilets in this series have the high level of comfort and quality found in toilets from the 500 series, and the same space-saving design found in toilets from the 5000 series.

## Powerful vacuum flush

### SeaLand VacuFlush 500 series

**Vacuum toilet as low-profile model or in standard height, 12 / 24 volts**

- → Very low water consumption (0.47 l/flush)
- → Extra-large seat
- → Connection to vaccum generator, vaccum pump and in combination with vacuum tank or holding tank system with integrated vacuum generator

VacuFlush 506+, Low-profile // Ref. No.: 317850601
VacuFlush 509+, Standard // Ref. No.: 317450901
VacuFlush 547+, Standard // Ref. No.: 317854701
VacuFlush 548+, Standard // Ref. No.: 317854801

### SeaLand VacuFlush 5000 series

**Vacuum toilet as low-profile model or in standard height, 12 / 24 volts**

- → Very low water consumption (0.47 l/flush)
- → Small footprint
- → Connection to vaccum generator, vaccum pump and in combination with vacuum tank or holding tank system with integrated vacuum generator

VacuFlush 5006, Low-profile // Ref. No.: 317500601
VacuFlush 5009, Standard // Ref. No.: 317500901
VacuFlush 5048, Standard // Ref. No.: 317504801

## Standard and economy flush

### SeaLand VacuFlush 4800 series

**Vacuum toilet as low-profile model or in standard height, 12 or 24 volts**

- → Very low water consumption in two operating modes
- → Seat with automatic soft-close
- → Service mode possible without running water

VacuFlush 4806, Low-profile, 12 volts // Ref. No.: 317148061
VacuFlush 4806, Low-profile, 24 volts // Ref. No.: 317248061
VacuFlush 4809, Standard, 12 volts // Ref. No.: 317148091
VacuFlush 4809, Standard, 24 volts // Ref. No.: 317248091

**Optional extras available**

→ More information / technical data on p. 96 – 97

## Pre-installed and tested fittings for easy and safe installation

**1** + **2** Outlet to deck fitting or discharge pump

**3** Inspection port (and location of optional level indicator)

**4** Ventilation connection

**5** Holding tank safety valve

**6** Inlet from toilet

Pre-fitted and pre-tested

SeaLand has been a leading supplier of holding tank systems in the original equipment sector for decades. Know-how and experience gained in numerous OEM projects are the basis for our successful retrofit solutions. SeaLand holding tanks are especially developed for the European market and fully comply with ISO 8099 standards. They are long lasting and odour-free, easy to install and to operate.

### ISO 8099

**Ensure that your tank complies with the requirements of ISO 8099. This international standard defines the technical requirements for toilet retention systems on boats.**

## Holding Tanks

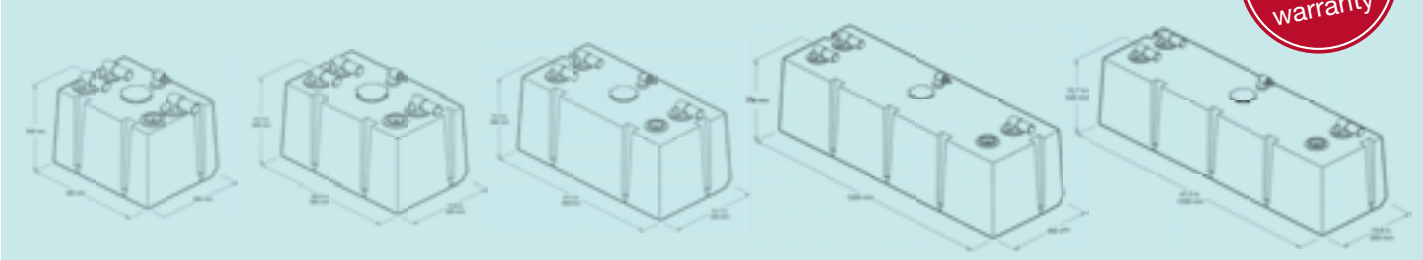
- → **Odour-free, leak-proof design**
- → **Easy installation with pre-assembled fittings**
- → **Vacuum relief valve for safe dockside discharge**
- → **Further models on request – for virtually all types of boats**
- → **Wide choice of accessories**

### SeaLand DHT42L / DHT61L / DHT88L / DHT110L / DHT137L

**Holding tank for marine toilets**
**Available in 5 sizes: 42, 61, 88, 110 and 137 litres**

SeaLand DHT42L // Ref. No.: 322601101
SeaLand DHT61L // Ref. No.: 322601601
SeaLand DHT88L // Ref. No.: 322602301
SeaLand DHT110L // Ref. No.: 322602901
SeaLand DHT137L // Ref. No.: 322603601

5 year-limited-warranty*



* Limited warranty protection against leaking of liquid sewage or malodorous gases.

→ More information / technical data on p. 95

Contents, specifications and availability are subject to change due to technical improvement.

# A clean solution!

## Holding tanks and sanitation hoses

### High-quality hoses for sanitation applications

Boat builders swear by them and have made SeaLand MaxFlex the most-purchased sanitation hoses in Germany, because they're especially flexible and simple to install, even in tight spaces. SeaLand OdorSafe offers the best odour barrier – up to 500% more effective than other sanitation hoses!

MaxFlex 38 MaxFlex 25 MaxFlex 19 MaxFlex 16

### SeaLand MaxFlex 38 / 25 / 19 / 16

**Very flexible, high-quality hose for multiple sanitation uses**
**Available in four sizes: Ø 38 mm, Ø 25 mm, Ø 19 mm and Ø 16 mm**

SeaLand MaxFlex 38, 15 m // Ref. No.: 9107100016
SeaLand MaxFlex 25, 15 m // Ref. No.: 9107100017
SeaLand MaxFlex 19, 15 m // Ref. No.: 9107100018
SeaLand MaxFlex 16, 15 m // Ref. No.: 9107100019
SeaLand MaxFlex 38, 50 m // Ref. No.: 9107100033
SeaLand MaxFlex 25, 50 m // Ref. No.: 9107100034
SeaLand MaxFlex 19, 50 m // Ref. No.: 9107100035
SeaLand MaxFlex 16, 50 m // Ref. No.: 9107100036

### SeaLand OdorSafe Plus 38

**Sanitation hose with excellent odour barrier properties. Available in Ø 38 mm for sewage system**

SeaLand OdorSafe Plus 38, 15 m // Ref. No.: 9107100015

5 year-limited-warranty*

→ More information / technical data on p. 95

# Accessories for SeaLand holdin

Tank level indicators, discharge pumps, vent filters: build your own sophisticated holding tank system with this wide range of accessories. All accessory solutions were specially developed for use with SeaLand holding tanks and offer excellent product quality.

## SeaLand DTM04

**Tank monitor. Four-level unit with three float switches and four-colour LED indicator**

- → Continuous tank monitoring with four-level indication
- → Easy installation; probe cap installs in SeaLand tank inspection port
- → Adjustment of float switch to required length possible
- → Current consumption: 12 volts DC: 8 mA // 24 volts DC: 4 mA
- → Size (W x H x D): Panel: 83 x 83 x 10 mm
- → Test marks: ISO 8846, EMC Directive 2004/108/EC

**Scope of delivery**: cap with three level switches, display panel with four lights, instruction manual

SeaLand DTM04 with ventilation // Ref. No.: 313604001
SeaLand DTM04 without ventilation // Ref. No.: 313604002
**Optional extras**: 12-volt-relay // Ref. No.: 385311579
24-volt-relay // Ref. No.: 385311580
Flange // Ref. No.: 307230272

## SeaLand DTM01P

**Tank monitor. Single-level unit with one float switch and red warning light**

- → Easy installation on SeaLand holding tanks
- → Activates red warning light when holding tank is approx. ¾ full
- → Current consumption: 16 mA
- → Size (W x H x D): Panel: 83 x 51 x 10 mm
- → Test marks: ISO 8846, EMC Directive 2004/108/EC

**Scope of delivery**: single float switch assembly with cap, display panel with one LED, instruction manual

Ref. No.: 313002311

## SeaLand DTM01C

**Tank monitor**
**Single-level unit with one float switch and red warning light**

- → Simple and cost-effective solution
- → Activates red warning light when holding tank is about ¾ full
- → Easy installation; probe cap installs in SeaLand tank inspection port
- → Current consumption: 16 mA
- → Size (W x H x D): Panel: 83 x 51 x 10 mm
- → Test marks: ISO 8846, EMC Directive 2004/108/EC

**Scope of delivery**: single float switch assembly with cap, display panel with one LED, instruction manual

Ref. No.: 313002312
**Optional extras** // Flange // Ref. No.: 307230272

## SeaLand DTD01-12 / DTD01-24

**Tank discharge management**
**For use in combination with DTM04 tank monitor**

- → Easy and safe holding tank discharge
- → Manual discharge in unrestricted waters
- → No accidental discharge in restricted waters
- → Simplifies plumbing by eliminating Y-valves
- → Current consumption: 0.16 A
- → Required circuit protection: 1 A breaker / fuse
- → Size (W x H x D): 83 x 83 x 10 mm
- → Test marks: ISO 8846, EMC Directive 2004/108/EC

**Scope of delivery**: electric discharge control panel, 2 x keys, instruction manual

SeaLand DTD01-12, 12 volts // Ref. No.: 313814112
SeaLand DTD01-24, 24 volts // Ref. No.: 313814124

Contents, specifications and availability are subject to change due to technical improvement.

# g tanks

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## SeaLand DTW12 / DTW24

**Holding tank discharge pump for 12 or 24 volts DC**

- → Quiet operation
- → Long-lasting bellows design
- → 5-year warranty*
- → Dry self-priming
- → Flow rate: 1130 litres per hour
- → Required circuit protection: 10 A / 5 A breaker / fuse
- → Current consumption: 6 A / 3 A
- → Hose connection: 38 mm ID sanitation hose
- → Size (W x H x D): 349 x 197 x 171 mm
- → Weight: 3.5 kg
- → Test marks: ISO 8846, EMC Directive 2004/108/EC

**Scope of delivery**: waste discharge pump, 1" reduction, instruction manual

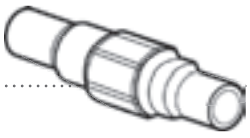
SeaLand DTW12, 12 volts // Ref. No.: 317401200
SeaLand DTW24, 24 volts // Ref. No.: 317402400

* Due to the unique bellows design, we offer a five-year limited warranty on the bellows against wear-out.

## SeaLand DVF38

**Holding tank charcoal filter 38 mm ø**

Ref. No.: 309310003



## SeaLand non-return valve

**Non-return valve 1 – 1/2" (38 mm)**

Ref. No.: 308238696

## TankSaver®

**Holding tank safety valve**

- → Material: Rubber, PE
- → Dimensions: Ø 76 mm, 1½" vent

Ref. No.: 313255247

## SeaLand DVF1619

**Holding tank vent filter (Ø 16 mm or 19 mm)**
**Stops odours from escaping through the holding tank vent**

- → The most effective odour-absorbing filter material
- → Eliminates the need for holding tank chemicals
- → Includes adapters for 16 and 19 mm hoses
- → Dimensions (W x H x D): 400 x 80 x 80 mm
- → Weight: 1 kg

**Scope of delivery**: vent filter, two 16 mm hose adapters, two 19 mm hose adapters, mounting bracket, two fasteners, instruction manual

Ref. No.: 309310008

PowerPump pressurised water pumps from Dometic are self-priming, can run dry without being damaged, and are energy-efficient and quiet. Scope of delivery includes a filter and three 12.5 mm (1/2") hose connectors. Easy to install.

Dometic

## Dometic PowerPump

**High-performance pressurised water pumps**

- → Powerful yet quiet and economical
- → Self-priming – can be placed above water tank
- → Runs dry without damage
- → Maintenance-free diaphragm design

PP127, 7 l/min, 12 V // Ref. No.: 9107100051
PP1210, 10 l/min, 12 V // Ref. No.: 9107100052
PP2410, 10 l/min, 24 V // Ref. No.: 9107100053
PP1217, 17 l/min, 12 V // Ref. No.: 9107100054
PP2417, 17 l/min, 24 V // Ref. No.: 9107100055

→ More information / technical data on p. 94

# SeaLand accessories and spare parts at marine.dometicgroup.com/fittings

OEM quality for retro-fitting

An extensive line-up of accessories and spare parts is available for the installation, maintenance and repair of SeaLand holding tanks and toilet systems. Visit our marine website to view all products with descriptions and dimensions. The QR code will take you directly to the website

Tee kit

Bowl seals

Standpipe kit

Elbow kit

Hose reducer

SeaLand® by Dometic GROUP

## Special toilet paper for marine toilets

### ComfortCare Toilet Tissue

**Special, fast-soluble toilet paper for the comforts of home**

- → Quickly soluble to prevent blockages
- → 2-ply, extra-soft
- → Facilitates the discharge of the waste holding tank
- → Content: 4 rolls

Ref. No.: 9107200081

Contents, specifications and availability are subject to change due to technical improvement.

# Portable toilets

Dometic

Clean performance at a low price

## Practical and economically priced: Dometic SaniPottie®

Convenient, space-saving hygienic comfort for your boat. The portable toilets from Dometic combine many useful functions in the smallest of spaces.

→ Push-button control for powerful flushing with less pumping

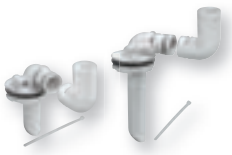
→ Large flush water tank – sufficient for 27 flushes

→ Tank level indicator protects against overflow

→ Ingenious disposal system for splash-free discharge

→ Spare tanks, discharge kits, and mounting kit as accessories

Mounting kit



Discharge kits

Additional tanks

## Basic model

### 1 SaniPottie® 972

Space-saving portable toilet with 360° pressurised flush

→ Holding tank capacity: 9.8 litres
→ Flush water tank capacity: 8.7 litres
→ Dimensions (W x H x D): 333 x 317 x 387 mm
→ Weight: 5.4 kg

SaniPottie® 972, white/beige // Ref. No.: 9108557678
SaniPottie® 972, white/grey // Ref. No.: 9108557679

## More waste volume

### 2 SaniPottie® 976

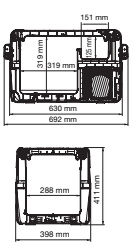
Space-saving portable toilet with 360° pressurised flush

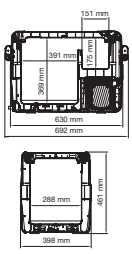
→ Holding tank capacity: 18.9 litres
→ Flush water tank capacity: 8.7 litres
→ Dimensions (W x H x D): 333 x 387 x 387 mm
→ Weight: 5.9 kg

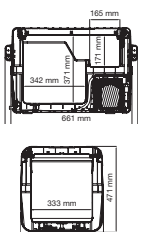
SaniPottie® 976, white/beige // Ref. No.: 9108557680
SaniPottie® 976, white/grey // Ref. No.: 9108557681

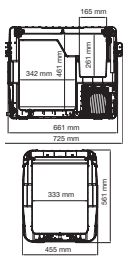
→ More information / technical data on p. 94

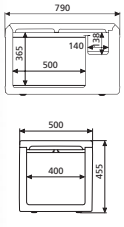
| | 4.30 // WAECO CoolFreeze CFX | | | | 4.10 // WAECO CoolFreeze CF | |
|---|---|---|---|---|---|---|
| **Compressor coolers** | **CFX 35** | **CFX 40** | **CFX 50** | **CFX 65** | **CF 80** | **CF 110** |
| | | | | | | |
| **Ref. No.** | 9105304047 | 9105304048 | 9105304049 | 9105304050 | CF-080AC | CF-110AC |
| **Storage volume** (l, approx.)<br>incl. for fresh food (l) | 32<br>4.5 | 38<br>7 | 46<br>8.5 | 60<br>13 | 79<br>7 | 105<br>13 |
| **Connections** | 12/24 V DC<br>100–240 V AC | 12/24 V DC<br>100–240 V AC | 12/24 V DC<br>100–240 V AC | 12/24 V DC<br>100–240 V AC | 12/24 V DC<br>100–240 V AC | 12/24 V DC<br>100–240 V AC |
| **Temperature range** | +10°C to –22°C | +10°C to –22°C | +10°C to –22°C | +10°C to –22°C | +10°C to –18°C | +10°C to –18°C |
| **Power input**<br>(watts, approx.) | 43 | 48 | 52 | 58 | 65 | 65 |
| **Current consumption** (Ah/h) at<br>+20°C<br>+32°C<br>ambient temperature,<br>both at +5°C interior<br>temperature | <br>0.32<br>0.60 | <br>0.36<br>0.64 | <br>0.38<br>0.68 | <br>0.42<br>0.76 | <br>0.65<br>1.19 | <br>0.76<br>1.35 |
| **Energy class** | A++ | A++ | A++ | A++ | A+ | A+ |
| **Insulation**<br>PU foam all around | ● | ● | ● | ● | ● | ● |
| **System**<br>Fully hermetic compressor with integrated control electronics | ● | ● | ● | ● | ● | ● |
| Electronic thermostat | ● | ● | ● | ● | ● | ● |
| Low voltage protection / Electronic fuse | ● | ● | ● | ● | ● | ● |
| Automatic reverse pole protection | ● | ● | ● | ● | ● | ● |
| **Material** | PP | PP | PP | PP | Cabinet: coated sheet steel<br>Top and base: PP<br>Lid: PE | |
| **Colour** | Pale grey/<br>dark grey | Pale grey/<br>dark grey | Pale grey/<br>dark grey | Pale grey/<br>dark grey | Pale grey/<br>dark grey | Pale grey/<br>dark grey |
| **Weight** (kg, approx.) | 17.5 | 18.5 | 20.4 | 22.3 | 31 | 33 |
| **Test marks**<br>TÜV/GS, e-certified (Automotive EMC Directive) | ● | ● | ● | ● | ● | ● |
| **Scope of delivery**<br>Removable wire basket | ● | ● | ● | ● | ● | ● |
| Detachable carrying handles | ● | ● | ● | ● | ● | ● |
| **Optional extras** | | | | | | |
| Mains adapter 230 V > 24 V | – | – | – | – | – | – |
| Mains adapter<br>110 V – 240 V > 24 V | – | – | – | – | – | – |
| Universal fixing kit | – | – | – | – | – | – |

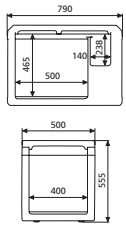


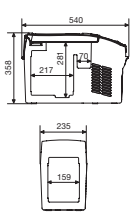



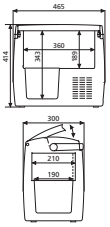
**4.10 // WAECO CoolFreeze CDF**

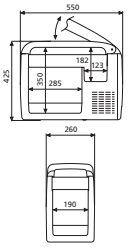
**4.12 // WAECO CoolMatic CB**

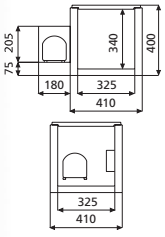
**4.10 // WAECO CoolMatic CD**
**4.24 // WAECO CoolMatic CRD**

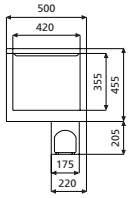
| CDF 11 | CDF 18 | CDF 25 | CB 36 | CB 40 | CD 30 | CRD 50 |
|---|---|---|---|---|---|---|
| | | | | | | |
| 9105100007 | 9105100002 | 9105100003 | CB-036 | CB-040 | CD-030DC<br>CD-030DCW | 9105304081 |
| | | | | | | |
| 10.5<br>– | 18<br>– | 21.5<br>4 | 36<br>– | 40<br>– | 30<br>– | 50<br>4 (freezer compartment) |
| 12/24 V DC | 12/24 V DC | 12/24 V DC | 12/24 V DC | 12/24 V DC | 12/24 V DC | 12/24 V DC |
| +10°C to –18°C | +10°C to –18°C | +10°C to –18°C | +10 °C to –12 °C | +10 °C to –12 °C | +12°C to –2°C | +10°C to –15°C |
| 35 | 35 | 35 | 45 | 45 | 40 | 40 |
| 0.29<br>0.61 | 0.38<br>0.64 | 0.44<br>0.67 | 0.56<br>0.94 | 0.64<br>1.01 | 0.67<br>1.33 | 1.5 (at 25°C)<br>1.8 |
| – | – | – | – | – | – | – |
| ● | ● | ● | ● | ● | ● | ● |
| ● | ● | ● | ● | ● | ● | ● |
| ● | ● | ● | ● | ● | ● | Mechanical, continuously variable thermostat |
| ● | ● | ● | ● | ● | ● | ● |
| ● | ● | ● | ● | ● | ● | ● |
| Cabinet: PP<br>Lid: PE | Cabinet: PP<br>Lid: PE | Cabinet: PP<br>Lid: PE | Outside: zinc coated sheet steel, inside: stainless steel, base: shock-resistant plastic | | Sturdy metal housing, drawer of injection-moulded parts | Body: with coated metal frame<br>Interior: Plastic<br>Door frame: Plastic<br>Fittings: Stainless steel |
| Pale grey/<br>dark grey | Pale grey/<br>dark grey | Pale grey/<br>dark grey | Body: grey, decor panel: pale grey | Body: grey, decor panel: pale grey | CD-030: black<br>CD-030W: black, front white | Body: black<br>Door frame: Silver<br>Door panel: Matt-silver (brushed stainless steel appearance) |
| 10.5 | 11.5 | 12.5 | 17 | 19 | 18 | 20 |
| ● | ● | ● | e-certified (Automotive EMC Directive) | e-certified (Automotive EMC Directive) | e-certified (Automotive EMC Directive) | ● |
| – | – | – | – | – | – | ● |
| – | – | ● | – | – | – | – |
| EPS-100W | EPS-100W | EPS-100W | EPS-100W | EPS-100W | EPS-100W | – |
| – | – | – | MPS-35 | MPS-35 | MPS-35 | MPS-35 |
| – | – | UFK-C | – | – | – | – |

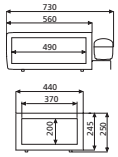


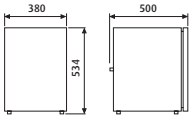



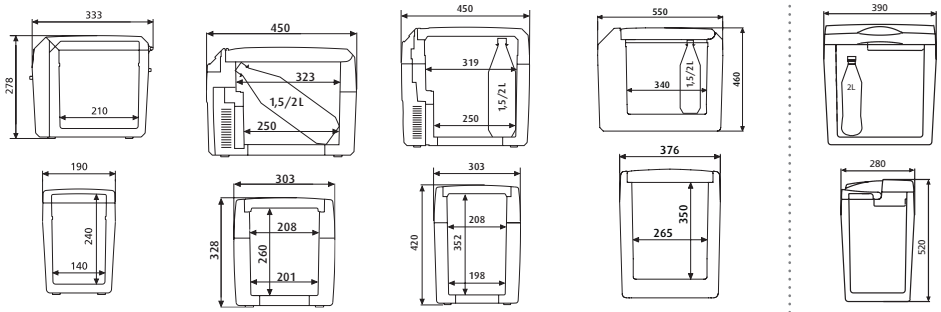



## Thermoelectric coolers

**4.01 // WAECO TropiCool**

**4.02 // WAECO CoolFun**

| | TC 07 | TC 14FL | TC 21FL | TC 35FL | CD 28 | S 28DC |
|---|---|---|---|---|---|---|
| | | | | | | |
| **Ref. No.** | TC-07UG-12/230 | TC-14FL-AC | TC-21FL-AC | TC-35FL-AC | 9103500706 | 9105302763 |
| **Storage volume** (l, approx.) | 7 | 14 | 20 | 33 | 25 | 25 |
| **Connections** | 12 V DC/ 230 V AC | 12/24 V DC/ 230 V AC | 12/24 V DC/ 230 V AC | 12/24 V DC/ 230 V AC | 12 V DC/ 230 V AC | 12 V DC |
| **Consumption** | | | | | | |
| at 12 V DC (watts) | 36 | 46 | 46 | 46 | 47 | 35 |
| at 24 V DC (watts) | — | 50 | 50 | 50 | — | – |
| at 230 V AC (watts) | 40 | 64 | 64 | 64 | 55 | – |
| **Energy class** | – | A++ | A++ | A++ | A++ | – |
| **Temperature range** Cooling below ambient temperature (°C, approx.) | max. 25 | max. 30 | max. 30 | max. 30 | max. 20 | max. 15 |
| Heating (°C, approx.) | +65 | +50 to +65 | +50 to +65 | +50 to +65 | +65 | – |
| **Insulation** PU foam all around | ● | ● | ● | ● | ● | Lightweight full insulation |
| **System** Thermoelectric (Peltier system) | ● | ● | ● | ● | ● | ● |
| **Material** | Injection moulded parts | Injection moulded parts | Injection moulded parts | Injection moulded parts | PP | Plastic: PP Bag: Textile |
| **Colour** | Dark grey/pale grey | Dark grey/pale grey | Dark grey/pale grey | Dark grey/pale grey | Blue/grey | Beige/blue |
| **Weight** (kg, approx.) | 2.8 | 5.0 | 6.0 | 10.0 | 4.7 | 2.3 |
| **Test marks** TÜV/GS, e-certified (Automotive EMC Directive) | ● | ● | ● | ● | ● | ● |
| **Optional extras** | | | | | | |
| Universal fixing kit | – | UFK-T | UFK-T | UFK-T | – | – |
| Mains adapter 230 V AC > 12 V DC | – | – | – | – | – | EPS-817U |




## Ice Boxes

**4.14 // WAECO Cool-Ice**

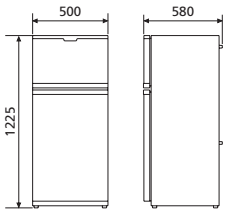
| | WCI-13 | WCI-22 | WCI-42 | WCI-55 | WCI-70 | WCI-85 | WCI-110 |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
| **Ref. No.** | 9108400056 | 9108400060 | 9108400062 | 9108400067 | 9108400071 | 9108400073 | 9108400054 |
| **Storage volume** (l, approx.) | 13 | 22 | 41 | 55 | 68 | 86 | 111 |
| **Dimensions** (W x H x D, mm) | 388 x 305 x 245 | 388 x 313 x 365 | 635 x 337 x 390 | 565 x 420 x 485 | 685 x 420 x 485 | 835 x 435 x 495 | 1050 x 440 x 510 |
| **Weight** (kg, approx.) | 2.8 | 4.2 | 7.5 | 9.3 | 10.4 | 13.1 | 15.7 |

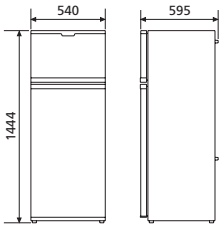
Contents, specifications and availability are subject to change due to technical improvement.

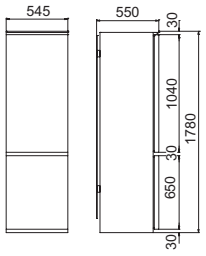
**4.06 // WAECO CoolMatic HDC**

## Compressor refrigerators

| | HDC 190 | HDC 220 | HDC 270 |
|---|---|---|---|
| | | | |
| **Ref. No.** | 9105600013 | 9105600014 | 9105600021 |
| **Storage volume** (approx. l)<br>freezer compartment | 155<br>40 | 212<br>41 | 281<br>61 |
| **Energy supply** | 12/24 V DC | 12/24 V DC | 12/24 V DC / 100–240 V AC |
| **Average power input** (watts, approx.) | 75 | 80 | 120 |
| **Consumption** (Ah/h) at<br>+25°C<br>+32°C<br>ambient temperature, both at +5°C interior temperature | <br>1.5<br>2.1 | <br>1.8<br>3.2 | <br>4.1<br>4.6 |
| **Energy class** | – | – | A+ |
| **Insulation**<br>PU foam all around | ● | ● | ● |
| **System**<br>Fully hermetic high-performance compressor with integrated control electronics | ● | ● | ● |
| Low-voltage protection / electronic fuse | ● | ● | ● |
| Automatic reverse pole protection | ● | ● | ● |
| Mechanical, continuously variable thermostat | ● | ● | ● |
| **Cabinet design**<br>Body / Doors<br>Interior | <br>Sheet steel<br>Polystyrene | <br>Sheet steel<br>Polystyrene | <br>Sheet steel<br>Polystyrene |
| **Colour** | White | White | White |
| **Weight** (kg) | 33 | 42 | 50 |
| **Scope of delivery** | 3 safety glass shelves, two adjustable in height, a transparent crisper, shelf rack in froster compartment, door trays | | 4 safety glass shelves, three adjustable in height, a transparent crisper, door trays, three drawers for frozen food |
| **Test marks**<br>e-certified (Automotive EMC Directive) | ● | ● | – |
| **Optional extras** | | | |
| Mains adapter 110–240 V>24 V | MPS-50 | MPS-50 | – |



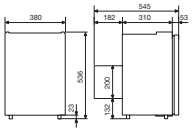



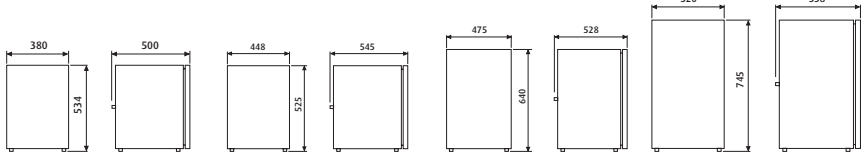



**4.24 // WAECO CoolMatic CR**

## Compressor refrigerators

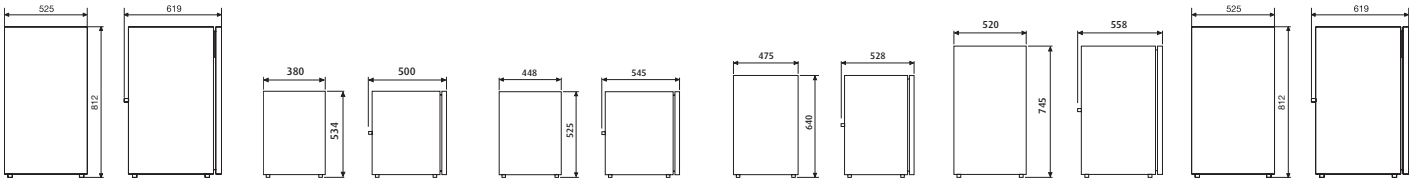
| | CRP 40 | CR 50 | CR 65 | CR 80 | CR 110 |
|---|---|---|---|---|---|
| | | | | | |
| **Ref. No.** | 9105600001 | CR-0050E | CR-0065E | CR-0080E | CR-0110E |
| **Storage volume** (approx. l) | | | | | |
| with freezer compartment | 39 | 48 | 64 | 80 | 108 |
| incl. freezer compartment | 5.3 | 5 | 7.2 | 7,9 | 10.2 |
| **Energy supply** | 12/24 V DC | 12/24 V DC | 12/24 V DC | 12/24 V DC | 12/24 V DC |
| **Average power consumption** (watts, approx.) | 40 | 40 | 45 | 48 | 50 |
| **Consumption** (Ah/h) at | | | | | |
| +25°C | 0.77 | 1.4 | 1.6 | 1.8 | 2.2 |
| +32°C | 1.17 | 1.7 | 1.9 | 2.1 | 2.5 |
| ambient temperature, both at +5°C interior temperature | | | | | |
| **Energy class** | – | – | – | – | – |
| **Insulation** PU foam all around | ● | ● | ● | ● | ● |
| **System** | | | | | |
| Fully hermetic compressor with integrated control electronics | ● | ● | ● | ● | ● |
| Low-voltage protection/ electronic fuse | ● | ● | ● | ● | ● |
| Automatic reverse pole protection | ● | ● | ● | ● | ● |
| Mechanical, continuously variable thermostat | ● | ● | ● | ● | ● |
| **Material** | | | | | |
| Body with coated metal frame | ● | ● | ● | ● | ● |
| Plastic interior | ● | ● | ● | ● | ● |
| Door frame | Plastic | Plastic | Plastic | Plastic | Plastic |
| Stainless steel fittings | ● | ● | ● | ● | ● |
| Stainless steel decor panel | – | – | – | – | – |
| **Colour** | | | | | |
| Body, black | ● | ● | ● | ● | ● |
| Door frame | Silver | Silver | Silver | Silver | Silver |
| Decor panel, matt-silver (brushed stainless steel appearance) | ● | ● | ● | ● | ● |
| Decor panel, brushed stainless steel | – | – | – | – | – |
| **Weight** (kg) | 18 | 19 | 20 | 23 | 28 |
| **Test marks** TÜV/GS, e-certified (Automotive EMC Directive) | ● | ● | ● | ● | ● |
| **Optional extras** | | | | | |
| Standard install. frame | EST-0050E | EST-0050E | EST-0065E | EST-0080E | EST-0110E |
| Flush-mount install. frame | EFM-0050E | EFM-0050E | EFM-0065E | EFM-0080E | EFM-0110E |
| Mains adapter 110–240 V>24 V | MPS-35 | MPS-35 | MPS-35 | MPS-35 | MPS-35 |



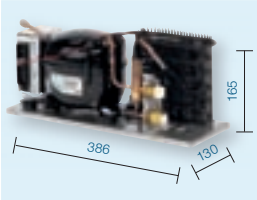
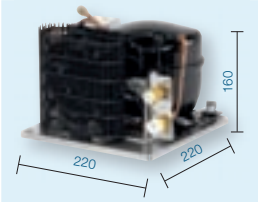
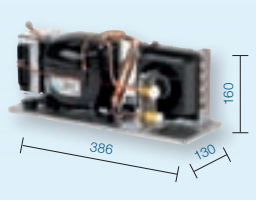
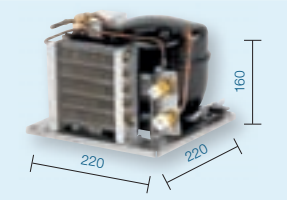



**4.24 // WAECO CoolMatic CR Chrome**

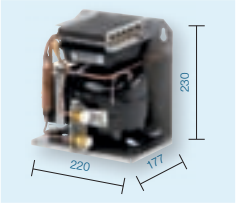
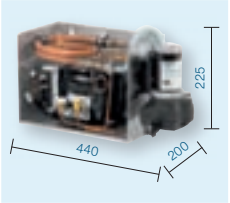
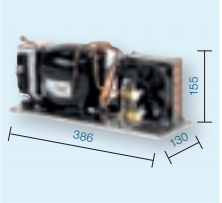
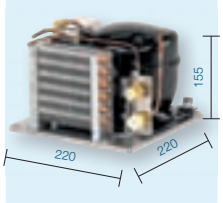
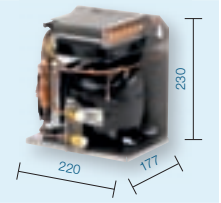
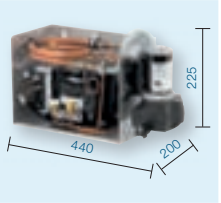
| CR 140 | CR 50 Chrome | CR 65 Chrome | CR 80 Chrome | CR 110 Chrome | CR 140 Chrome |
|---|---|---|---|---|---|
| | | | | | |
| 9105600002 | CR-0050ST | CR-0065ST | CR-0080ST | CR-0110ST | 9105600003 |
| | | | | | |
| 136<br>11.5 | 48<br>5 | 64<br>7.2 | 80<br>7,9 | 108<br>10.2 | 136<br>11.5 |
| 12/24 V DC / 100–240 V AC | 12/24 V DC | 12/24 V DC | 12/24 V DC | 12/24 V DC | 12/24 V DC / 100–240 V AC |
| 65 | 40 | 45 | 48 | 50 | 65 |
| 2.3<br>2.6 | 1.4<br>1.7 | 1.6<br>1.9 | 1.8<br>2.1 | 2.2<br>2.5 | 2.3<br>2.6 |
| A+ | – | – | – | – | A+ |
| ● | ● | ● | ● | ● | ● |
| ● | ● | ● | ● | ● | ● |
| ● | ● | ● | ● | ● | ● |
| ● | ● | ● | ● | ● | ● |
| ● | ● | ● | ● | ● | ● |
| ● | ● | ● | ● | ● | ● |
| ● | ● | ● | ● | ● | ● |
| Plastic | Chrome-plated | Chrome-plated | Chrome-plated | Chrome-plated | Chrome-plated |
| ● | ● | ● | ● | ● | ● |
| – | ● | ● | ● | ● | ● |
| ● | ● | ● | ● | ● | ● |
| Silver | Chrome | Chrome | Chrome | Chrome | Chrome |
| ● | – | – | – | – | – |
| – | ● | ● | ● | ● | ● |
| 32 | 19 | 20 | 23 | 28 | 32 |
| ● | ● | ● | ● | ● | ● |
| 9105900001 | EST-0050ST | EFM-0065ST | EST-0080E | EST-0110ST | 9105900002 |
| 9105900003 | EFM-0050ST | EFM-0065ST | EFM-0080ST | EFM-0110ST | 9105900004 |
| — | MPS-35 | MPS-35 | MPS-35 | MPS-35 | — |



**4.07 // WAECO ColdMachine**

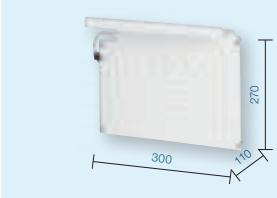
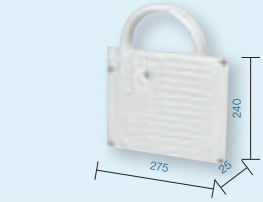
| Cooling units | ColdMachine 54 | ColdMachine 55 | ColdMachine 84 | ColdMachine 85 |
|---|---|---|---|---|
| |  |  |  |  |
| **Ref. No.** | CU-54 | CU-55 | CU-84 | CU-85 |
| **Cooling capacities** (l) | | | | |
| normal refrigeration | max. 130 | max. 130 | max. 130 | max. 250 |
| with direct evaporators | – | – | – | – |
| with cold accumulators | max. 100 | max. 100 | max. 100 | max. 70 |
| deep-freezing | | | | |
| **Voltage** | 12/24 V DC | 12/24 V DC | 12/24 V DC | 12/24 V DC |
| **Power input** (approx. watts) depending on the evaporator type | 35 / 40 | 35 / 40 | 45 – 60 | 45 – 60 |
| **System** | | | | |
| Fully hermetic compressor with control electronics and integrated low-voltage protection | ● | ● | ● | ● |
| Fully hermetic high-performance compressor with AEO electronics and integrated low-voltage protection | – | – | – | – |
| Low-voltage cut-off / electronic reverse pole protection | ● | ● | ● | ● |
| Brushless DC fan | – | – | ● | ● |
| Fin condenser | – | – | ● | ● |
| Dynamically ventilated wire tube condenser | ● | ● | – | – |
| Self-sealing valve couplings | ● | ● | ● | ● |
| Self-priming seawater pump | – | – | – | – |
| Seawater-cooled condenser | – | – | – | – |
| **Dimensions** (W x H x D) | 386 x 165 x 130 mm | 220 x 160 x 220 mm | 386 x 160 x 130 mm | 220 x 160 x 220 mm |
| **Weight** (kg) | 6 | 6.5 | 6 | 6 |
| **Quality features** | Suitable for floor mounting, corrosion-resistant stainless steel mounting plate | | Suitable for floor mounting, corrosion-resistant stainless steel mounting plate | |
| **Accessory** | | | | |
| Air exhaust hood with counterpart and 2 m hose, for providing air circulation | W480.3 | W480.3 | W480.3 | W480.3 |
| Mains adapter 110 – 240 V › 24 V | MPS-35 | MPS-35 | MPS-35 | MPS-35 |
| Mains adapter 230 V › 24 V | EPS-100W | EPS-100W | EPS-100W | EPS-100W |

Contents, specifications and availability are subject to change due to technical improvement.

| ColdMachine 86 | ColdMachine 87 | ColdMachine 94 | ColdMachine 95 | ColdMachine 96 | ColdMachine 97 |
|---|---|---|---|---|---|
|  |  |  |  |  |  |
| CU-86 | CU-87 | CU-94 | CU-95 | CU-96 | CU-97 |
| | | | | | |
| max. 250<br>–<br>max. 70 | max. 250<br>–<br>max. 70 | max. 400<br>max. 250<br>max. 200 | max. 400<br>max. 250<br>max. 200 | max. 400<br>max. 250<br>max. 200 | max. 400<br>max. 250<br>max. 200 |
| 12/24 V DC | 12/24 V DC | 12/24 V DC | 12/24 V DC | 12/24 V DC | 12/24 V DC |
| 45 – 60 | 45 – 60 | 60 – 100 | 60 – 100 | 60 – 100 | 60 – 100 |
| | | | | | |
| ● | ● | – | – | – | – |
| | | | | | |
| – | – | ● | ● | ● | ● |
| | | | | | |
| ● | ● | ● | ● | ● | ● |
| ● | ● | ● | ● | ● | ● |
| ● | – | ● | ● | ● | – |
| | | | | | |
| – | – | – | – | – | – |
| | | | | | |
| ● | ● | ● | ● | ● | ● |
| – | ● | – | – | – | ● |
| – | ● | – | – | – | ● |
| 220 x 230 x 177 mm | 440 x 225 x 200 mm | 386 x 155 x 130 mm | 220 x 155 x 220 mm | 220 x 230 x 177 mm | 440 x 225 x 200 mm |
| 6.5 | 7.5 | 6 | 6 | 6.5 | 7.5 |
| Suitable for floor mounting, corrosion-resistant stainless steel mounting plate | | Suitable for floor mounting, corrosion-resistant stainless steel mounting plate, AEO electronics | | | |
| | | | | | |
| W480.3 | – | W480.3 | W480.3 | W480.3 | – |
| | | | | | |
| MPS-35 | MPS-35 | MPS-50 | MPS-50 | MPS-50 | MPS-50 |
| EPS-100W | EPS-100W | – | – | – | – |

4.07 // WAECO ColdMachine Series 50

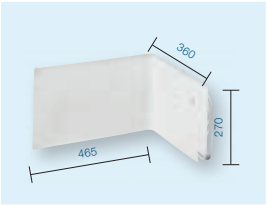
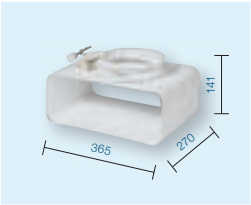
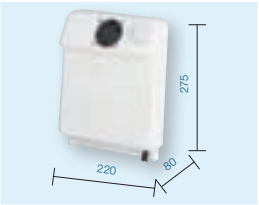
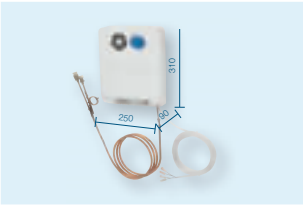
## Evaporators

| | L-evaporator VD-01 for Series 50 | Plate evaporator VD-02 for Series 50 | O-evaporator VD-07 for Series 50 |
|---|---|---|---|
| |  |  | |
| **Ref. No.** | VD-01 | VD-02 | VD-07 |
| **Cooling capacities** (l) | | | |
| with 35 mm PU insulation | max. 80 | max. 30 | max. 100 |
| with 50 mm PU insulation | max. 100 | max. 50 | max. 130 |
| **Power input** (approx. watts) | 35 | 35 | 35 |
| **Current consumption** (Ah/h) | | | |
| with 35 mm PU insulation | 1.46 | 1.31 | 1.46 |
| with 50 mm PU insulation | 1.17 | 1.02 | 1.17 |
| **System** | Standard, L-shape evaporator for horizontal and vertical installation, self-sealing valve couplings, flexible connection pipe approx. 2 m, continuously variable thermostat (for external installation, with blue turning dial and LED indicator, white plastic housing), electric supply cord approx. 3 m | Standard, plate evaporator for horizontal and vertical installation, self-sealing valve couplings, flexible connection pipe approx. 2 m, continuously variable thermostat (for external installation, with blue turning dial and LED indicator, white plastic housing), electric supply cord approx. 3 m | Standard O-evaporator for horizontal or vertical installation, self-sealing valve couplings, flexible connection pipe approx. 2 m, continuously variable thermostat (for external installation, with blue turning dial and LED indicator, white plastic housing), electric supply cord approx. 3 m |
| **Dimensions** (W x H x D) | 300 x 270 x 110 mm | 275 x 240 x 25 mm | 255 x 210 x 90 mm |
| **Weight** (kg) | 1.5 | 1 | 1.5 |

4.07 // WAECO ColdMachine Series 80

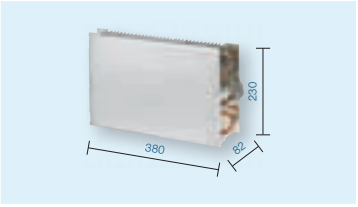
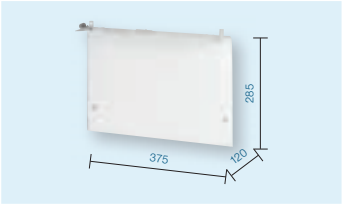
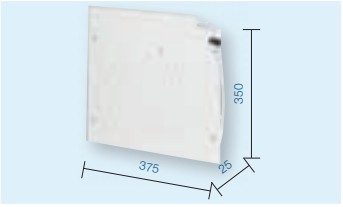
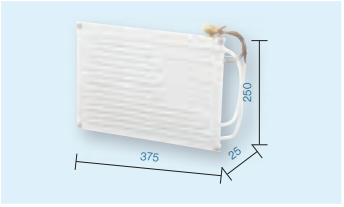
4.07 // WAECO ColdMachine Series 90

## Evaporators

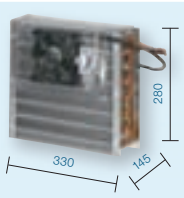
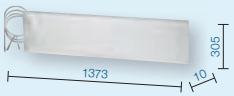
| | Angle evaporator VD-08 for Series 80 | O-evaporator VD-09 for Series 80 | Circulating air evaporator VD-15 for Series 80 | Circulating air evaporator VD-14N for Series 90 |
|---|---|---|---|---|
| |  |  |  |  |
| **Ref. No.** | VD-08 | VD-09 | VD-15 | VD-14N |
| **Cooling capacities** (l) | | | | |
| with 35 mm PU insulation | max. 160 | max. 160 | max. 200 | max. 300 |
| with 50 mm PU insulation | max. 180 | max. 180 | max. 250 | max. 400 |
| **Power input** (approx. watts) | 60 | 60 | 60 | 80 |
| **Current consumption** (Ah/h) | | | | |
| with 35 mm PU insulation | 2.50 | 2.25 | 2.00 | 3.33 |
| with 50 mm PU insulation | 2.00 | 1.75 | 1.50 | 2.33 |
| **System** | Standard angle evaporator, self-sealing valve couplings, flexible connection pipe approx. 2 m, continuously variable thermostat (for external installation, with blue turning dial and LED indicator, white plastic housing), electric supply cord approx. 3 m | O-evaporator for vertical and horizontal installation,self-sealing valve couplings, flexible connection pipe approx. 2 m, continuously variable thermostat (for external installation, with blue turning dial and LED indicator, white plastic housing), electric supply cord approx. 3 m | High-performance circulating air evaporator in a white plastic housing, with brushless fan, fast cooling through circulating air operation, self-sealing valve couplings, flexible connection pipe approx. 2.5 m, continuously variable thermostat integrated in the evaporator housing | High-performance circulating air evaporator, especially effective due to enlarged surface area. Radial fan with enhanced ventilation capacity, continuously variable room thermostat for optimal temperature distribution in the refrigeration compartment. Ease of installation with self-sealing valve couplings and flexible connection pipe (approx. 2.5 m). Sturdy, white plastic housing. |
| **Dimensions** (W x H x D) | 465 x 270 x 360 mm | 365 x 141 x 270 mm | 220 x 275 x 80 mm | 250 x 310 x 90 mm |
| **Weight** (kg) | 2.0 | 2.0 | 2.0 | 2.0 |

Contents, specifications and availability are subject to change due to technical improvement.

**4.07 // WAECO ColdMachine Series 80**

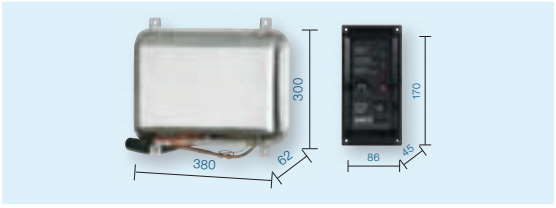
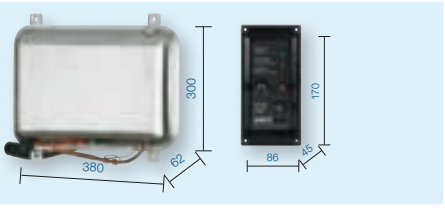
| | Fin evaporator VD-03 for Series 80 | L-evaporator VD-04 for Series 80 | Plate evaporator VD-05 for Series 80 | Plate evaporator VD-18 for Series 80 |
|---|---|---|---|---|
| |  |  |  |  |
| | VD-03 | VD-04 | VD-05 | VD-18 |
| | | | | |
| | max. 170<br>max. 200 | max. 130<br>max. 170 | max. 130<br>max. 170 | max. 100<br>max. 150 |
| | 50 | 45 | 45 | 45 |
| | 1.88<br>1.46 | 1.88<br>1.50 | 1.88<br>1.50 | 1.88<br>1.50 |
| | Copper-aluminium fin evaporator with large surface due to the cooling fins, for vertical and horizontal installation, self-sealing valve couplings, flexible connection pipe approx. 2.5 m, continuously variable thermostat (for external installation, with blue turning dial and LED indicator, white plastic housing), electric supply cord approx. 3 m | Standard, L-shape evaporator, self-sealing valve couplings, flexible connection pipe approx. 2 m, continuously variable thermostat (for external installation, with blue turning dial and LED indicator, white plastic housing), electric supply cord approx. 3 m | Standard plate evaporator, self-sealing valve couplings, flexible connection pipe approx. 2 m, continuously variable thermostat (for external installation, with blue turning dial and LED indicator, white plastic housing), electric supply cord approx. 3 m | Standard plate evaporator, self-sealing valve couplings, flexible connection pipe approx. 2 m, continuously variable thermostat (for external installation, with blue turning dial and LED indicator, white plastic housing), electric supply cord approx. 3 m |
| | 380 x 230 x 82 mm | 375 x 285 x 120 mm | 375 x 350 x 25 mm | 375 x 250 x 25 mm |
| | 2 | 1.5 | 1.5 | 1.5 |

## Evaporators

| | Air circulating deep-freeze evaporator VD-16 for Series 90 | Plate evaporator VD-21 for Series 90 |
|---|---|---|
| |  |  |
| **Ref. No.** | VD-16 | VD-21 |
| | | |
| **Cooling capacities** (l)<br>with 50 mm PU insulation<br>with 100 mm PU insulation | <br>max. 130<br>max. 200 | <br>max. 250 (normal refrigeration) / 100 (deep-freezing)<br>max. 300 (normal refrigeration) / 150 (deep-freezing) |
| **Power input** (approx. watts) | 60 | 60 |
| **Current consumption** (Ah/h)<br>with 50 mm PU insulation<br>with 100 mm PU insulation | <br>2.75<br>2.00 | <br>2.50 normal (refrigeration) / 3.00 (deep-freezing)<br>2.00 normal (refrigeration) / 2.00 (deep-freezing) |
| **System** | High-performance air circulating fin evaporator in a transparent plastic housing, self-sealing valve couplings, flexible connection pipe approx. 2.5 m, continuously variable deep-freeze thermostat integrated in the evaporator housing | Standard plate evaporator with large surface, self-sealing valve couplings, flexible connection pipe approx. 2 m, continuously variable thermostat (for external installation, with blue turning knob and LED indicator, white plastic housing), for refrigeration and deep-freezing |
| **Dimensions** (W x H x D) | 330 x 280 x 145 mm | 1373 x 305 x 10 mm |
| **Weight** (kg) | 2.5 | 4.0 |

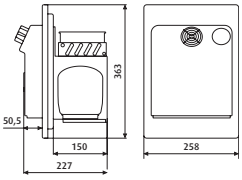
**4.07 // WAECO ColdMachine**

## Cold accumulators

| | Cold accumulator VD-06 for Series 80 | Cold accumulator VD-06 for Series 90 |
|---|---|---|
| |  |  |
| **Ref. No.** | VD-06 | VD-06 |
| **Cooling capacities** (l) | | |
| with 35 mm PU insulation | max. 120 | max. 200 |
| with 50 mm PU insulation | max. 200 | max. 250 |
| **Power input** (approx. watts) | 65 | 80 |
| **Battery load** | At one charge/discharge cycle per day = 10 watts/hour | At one charge/discharge cycle per day = 10 watts/hour |
| **Charging time** | approx. 1.5 hours | approx. 1.5 hours |
| **Discharging time** | 8 to 18 hours (without compressor operation) | 8 to 18 hours (without compressor operation) |
| **System** | Stainless steel cold accumulator with integrated high-performance fin evaporator, self-sealing valve couplings,continuously variable with TEC electronic controller | Stainless steel cold accumulator with integrated high-performance fin evaporator, self-sealing valve couplings,continuously variable with TEC electronic controller |
| **Pipe length** (m) | 2.5 | 2.5 |
| **Dimensions** (W x H x D) | 380 x 300 x 62 mm | 380 x 300 x 62 mm |
| TEC electronic controller | 86 x 170 x 45 mm | 86 x 170 x 45 mm |
| **Weight** (kg) | 5 | 5 |

## Compact cooling unit

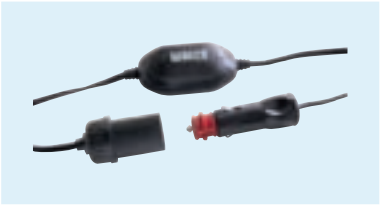
| | |
|---|---|
| **Ref. No.** | CS-NC15 |
| **Cooling capacities** (l) | |
| with 35 mm PU insulation | max. 200 |
| with 50 mm PU insulation | max. 250 |
| **Voltage** | 12/24 V DC |
| Power input (approx. watts) | 60 |
| **Current consumption** (Ah/h) | |
| with 35 mm PU insulation | 2.00 |
| with 50 mm PU insulation | 1.50 |
| **System** | Fully hermetic compressor with control electronics and integrated low-voltage protection, low-voltage cut-off, electronic reverse pole protection, brushless DC fan, fin condenser, high-performance air circulating fin evaporator in white plastic housing with brushless fan, rapid chill capability with circulating air operation |
| **Weight** (kg) | 8.5 |
| **Colour** | White |
| **Quality features** | Rapid-chill capability with circulating air operation, continuously variable thermostat (integrated in the evaporator housing), low-voltage protection, low-voltage cut-off |



3.17 // WAECO CoolPower

## Electronic accessories for coolers and refrigerators

### CoolPower M50U



Voltage monitor for 12-volt applications

### CoolPower 804K

Voltage converter 24 volts › 12 volts

### CoolPower EPS817

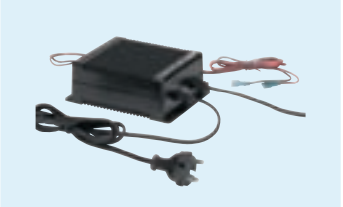
Mains adapter for connecting thermoelectric 12-volt cooling appliances

| | CoolPower M50U | CoolPower 804K | CoolPower EPS817 |
|---|---|---|---|
| **Ref. No.** | M-50U-12 | 804K-2412 | EPS-817U |
| **Cut-off voltage** | 11.6 V DC | – | – |
| **Cut-in voltage** | 12.8 V DC | – | – |
| **Current** | 5 amps max. | – | – |
| **Input voltage** | – | **20 – 30 V DC** | **230 V AC/50 Hz** |
| **Output voltage** | – | 12.5 V DC ±10 % | 13 V DC |
| **Efficiency** | – | max. 90 % | max. 90 % |
| **Short-time load** | – | 6 A/70 watts | – |
| **Continuous load** | – | 4 A/48 watts | 6 A |
| **No-load current input max.** | – | 60 mA | 60 mA |
| **Dimensions** (W x H x D) | – | 53 x 45 x 120 mm | 115 x 65 x 170 mm |
| **Weight** (kg) | – | 0.25 | 0.6 |
| **Quality features** | LED display, ready for connection with cigarette lighter plug | Energy-saving switch mode design with connection socket | – |
| **Test mark** | e-certified (Automotive EMC Directive) | e-certified (Automotive EMC Directive) | GS |

### CoolPower EPS100

Mains adapter for hassle-free connection of 12-/24-volt cooling appliances to the 230-volt mains. Suitable for WAECO compressor cooling appliances CoolFreeze CDF, CoolMatic CB, CR and CRP

### CoolPower MPS35



Mains adapter for hassle-free connection of 12-/24-volt cooling appliances to 110 – 240-volt mains systems. Suitable for WAECO compressor cooling appliances CoolMatic CB, CD, CR and CRP

### CoolPower MPS50

Mains adapter for hassle-free connection of 12-/24-volt cooling appliances to 110 – 240-volt mains systems. Suitable for WAECO compressor cooling appliances CoolMatic HDC 190/220

| | CoolPower EPS100 | CoolPower MPS35 | CoolPower MPS50 |
|---|---|---|---|
| **Ref. No.** | EPS-100W | MPS-35 | MPS-50 |
| **Input voltage** | 230 V AC | 110 – 240 V AC | 110 – 240 V AC |
| **Output voltage** | 25 V DC | 25 V DC | 27 V DC |
| **Output power** | 100 watts | 75 watts | 150 watts |
| **Battery voltage** | 12/24 V DC | 12/24 V DC | 12/24 V DC |
| **Output current** | 4 A | 3 A | 6 A |
| **Dimensions** (W x H x D) | 115 x 65 x 170 mm | 115 x 55 x 160 mm | 120 x 70 x 200 mm |
| **Weight** (kg) | approx. 0.7 | approx. 0.75 | approx. 1 |
| **Test mark** | – | GS | – |

### 3.16 // WAECO PerfectCharge

## Chargers

| | MCA 1215 NEW | MCA 1225 NEW | MCA 1235 NEW | MCA 1250 NEW | MCA 1280 NEW |
|---|---|---|---|---|---|
| | | | | | |
| **Ref. No.** | 9102500027 | 9102500028 | 9102500029 | 9102500030 | 9102500031 |
| **Ref. No. UK** | 9102500046 | 9102500047 | 9102500048 | 9102500049 | 9102500050 |
| **Maximum charging current** (A) | 15 | 25 | 35 | 50 | 80 |
| **Battery outputs** | 1 + 1 | 2 + 1 | 2 + 1 | 3 | 3 |
| **Recommended battery capacity** (Ah) | 40 – 170 | 75 – 300 | 100 – 400 | 150 – 600 | 200 – 800 |
| **Energy efficiency** up to | 92% | 92% | 92% | 92% | 92% |
| **Sleep mode** | Via remote control or a DIP switch on the device | | | | |
| **Input voltage** | 90 V – 260 V | 90 V – 260 V | 90 V – 260 V | 90 V – 260 V | 90 V – 260 V |
| **Output voltage** | – | – | – | – | – |
| **Battery types** | Lead-acid batteries (liquid, gel, AGM) | | | | |
| **Frequency** | 50 – 60 Hz | 50 – 60 Hz | 50 – 60 Hz | 50 – 60 Hz | 50 – 60 Hz |
| **Operating temperature** | –20°C to +50°C | –20°C to +50°C | –20°C to +50°C | –20°C to +50°C | –20°C to +50°C |
| **Dimensions** (W x H x D, mm) | 179 x 63 x 238 | 179 x 63 x 238 | 179 x 63 x 274 | 208.5 x 75 x 283 | 208.5 x 75 x 303 |
| **Weight** (kg) | 1.6 | 1.7 | 1.9 | 3.1 | 4 |
| **Test mark** | – | – | – | – | – |
| **Optional extras** | | | | | |
| Temperature sensor MCA-TS1 | 9102500036 | 9102500036 | 9102500036 | 9102500036 | 9102500036 |
| Remote control MCA-RC1 | 9102500037 | 9102500037 | 9102500037 | 9102500037 | 9102500037 |

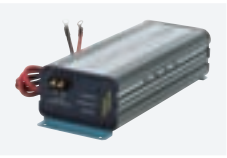
### 3.30 // WAECO SinePower

## Sine wave inverters

| | MSI 212 / MSI 224 NEW | MSI 412 / MSI 424 NEW | MSI 912 / MSI 924 NEW | MSI 1312 / MSI 1324 NEW | MSI 1812 / MSI 1824 NEW |
|---|---|---|---|---|---|
| | | | | | |
| **Ref. No.** | 9102600124 / 9102600125 | 9102600126 / 9102600127 | 9102600111 / 9102600112 | 9102600113 / 9102600114 | 9102600115 / 9102600116 |
| **Ref. No. UK** | | | 9102600033 / 9102600034 | 9102600035 / 9102600036 | 9102600037 / 9102600038 |
| **Nominal input voltage** | 12 V DC (11 – 15 V) | 12 V DC (11 – 15 V) | 12 V DC (10,5 – 16 V) 24 V DC (21 – 32 V) | 12 V DC (10,5 – 16 V) 24 V DC (21 – 32 V) | 12 V DC (10,5 – 16 V) 24 V DC (21 – 32 V) |
| **Output voltage / curve** | 230 V AC / pure sine wave ∿ | 230 V AC / pure sine wave ∿ | 230 V AC / pure sine wave ∿ | 230 V AC / pure sine wave ∿ | 230 V AC / pure sine wave ∿ |
| **Output voltage USB** | 2000 mA, 5V DC | 2000 mA, 5V DC | – | – | – |
| **Output frequency** | 50 Hz | 50 Hz | 50 Hz | 50 Hz | 50 Hz |
| **No-load current input** | 0.6 A / 0.3 A | 0.8 A / 0.4 A | 0.2 A | 0.2 A | 0.2 A |
| **Continuous power** at 25°C at 40°C | 150 W | 350 W | 900 W 800 W | 1300 W 1200 W | 1800 W 1600 W |
| **Peak power** (3 sec.) | 300 W | 700 W | 1900 W | 2900 W | 3900 W |
| **Integrated priority circuit** | – | | – | – | – |
| **Operating temperature** | –20C° to +40C° | –20C° to +40C° | –20C° to +40C° | –20C° to +40C° | –20C° to +40C° |
| **Energy efficiency** up to | 90% | 90% | 92% | 92% | 92% |
| **Dimensions** (W x H x D, mm) | 124 x 49 x 199 | 124 x 49 x 199 | 197.5 x 94.3 x 291 | 197.5 x 94.3 x 324.6 | 197.5 x 94.3 x 376 |
| **Weight** (kg) | 0.82 | 0.82 | 3 | 4 | 5 |
| **Test mark** e-certified (Automotive EMC Directive) | – | – | ● | ● | ● |
| **Optional extras** | | | | | |
| Comfort remote control | – | – | MCR-7 | MCR-7 | MCR-7 |
| Standard remote control | – | – | MCR-9 | MCR-9 | MCR-9 |
| Mains priority circuit | – | – | VS-230 | VS-230 | – |

Contents, specifications and availability are subject to change due to technical improvement.

### 3.16 // WAECO PerfectCharge Charging converters

| MCA 2415 NEW | MCA 2425 NEW | MCA 2440 NEW | DC 08 | DC 20 | DC 40 |
|---|---|---|---|---|---|
| | | | | |  |
| 9102500032 | 9102500033 | 9102500034 | DC1212-08 | DC1212-20 | DC1212-40 |
| 9102500051 | 9102500052 | 9102500053 | | | |
| 12.5 | 25 | 40 | 8 | 20 | 40 |
| 2 | 3 | 3 | – | – | – |
| 40 – 170 | 75 – 300 | 100 – 400 | – | – | – |
| 92% | 92% | 92% | 87% | 87% | 87% |
| | | | – | – | – |
| 90 V – 260 V | 90 V – 260 V | 90 V – 260 V | 12 V DC (8 – 16 V) | 12 V DC (8 – 16 V) | 12 V DC (8 – 16 V) |
| – | – | – | 14.2 V DC ±0.1 V | 14.2 V DC ±0.1 V | 14.2 V DC ±0.1 V |
| | | | | | |
| 50 – 60 Hz | 50 – 60 Hz | 50 – 60 Hz | – | – | – |
| –20°C to +50°C | –20°C to +50°C | –20°C to +50°C | – | – | – |
| 179 x 63 x 238 | 208.5 x 75 x 283 | 208.5 x 75 x 303 | 115 x 70 x 100 | 115 x 70 x 160 | 115 x 70 x 270 |
| 1.6 | 2.9 | 3.9 | 0.75 | 1.2 | 2.1 |
| – | – | – | e-certified (Automotive EMC Directive) | | |
| | | | | | |
| 9102500036 | 9102500036 | 9102500036 | – | – | – |
| 9102500037 | 9102500037 | 9102500037 | – | – | – |

### 3.29 // WAECO PocketPower Smart inverter

| MSI 1812T / MSI 1824T NEW | MSI 2312T / MSI 2324T NEW | MSI 3512T / MSI 3524T NEW | SI 102 |
|---|---|---|---|
| | | | |
| 9102600117 / 9102600118 | 9102600119 / 9102600120 | 9102600121 / 9102600122 | 2222600001 |
| 9102600039 / 9102600040 | 9102600041 / 9102600042 | 9102600043 / 9102600044 | |
| 12 V DC (10,5 – 16 V) 24 V DC (21 – 32 V) | 12 V DC (10 – 16 V) 24 V DC (20 – 32 V) | 12 V DC (10 – 16 V) 24 V DC (20 – 32 V) | 12 V DC (11 – 15 V) |
| 230 V AC / pure sine wave | 230 V AC / pure sine wave | 230 V AC / pure sine wave | 230 V AC / modified sine wave |
| – | – | – | 5 V / 0.5 A |
| 50 Hz | 50 Hz | 50 Hz | 50 Hz |
| 0.2 A | 0.6 A / 0.3 A | 0.7 A / 0.4 A | < 0.4 A |
| 1800 W 1600 W | 2300 W 2000 W | 3500 W 3000 W | 100 W |
| 3900 W | 4000 W | 6000 W | 200 W |
| ● | ● | ● | – |
| –20C° to +40C° | –20C° to +50C° | –20C° to +50C° | |
| 92% | 92% | 92% | 90% |
| 197.5 x 94.3 x 406 | 283 x 128.4 x 436 | 283 x 128.4 x 496 | 67 x 43 x 125 |
| 6.5 | 7.5 | 9 | 282 g |
| ● | ● | ● | ● |
| MCR-7 | MCR-7 | MCR-7 | – |
| MCR-9 | MCR-9 | MCR-9 | – |
| – | – | – | – |

### 3.29 // WAECO PocketPower Laptop charger

| PocketPower LC |
|---|
| |
| 9102500022 |
| |
| 12 V – 24 V DC, 10 A max |
| 12 V / 15 V / 16 V / 18 V (18.5 V) / 19 V (19.5 V) / 20 V / 24 V DC / 90 W max / 5 V USB |
| – |
| – |
| – |
| 90 W |
| – |
| – |
| – |
| – |
| 124.8 x 50 x 31.5 |
| 255 g |
| ● |
| – |
| – |
| – |

**3.18 // WAECO PerfectPower**

## Inverters with modified AC voltage

| | PP 152 / PP 154 | PP 402 / PP 404 | PP 602 / PP 604 | PP 1002 / PP 1004 | PP 2002 / PP 2004 |
|---|---|---|---|---|---|
| | | | | | |
| **Ref. No.** | PP152 / PP154 | PP402 / PP404 | PP602 / PP604 | PP1002 / PP1004 | PP2002 / PP2004 |
| **Ref. No. UK** | PP152/UK / PP154/UK | PP402/UK / PP404/UK | PP602/UK / PP604/UK | 9102600003 / 9102600004 | 9102600005 / 9102600006 |
| **Input voltage** | 12 V DC (11 – 15 V) / 24 V DC (22 – 30 V) | | | 12 V DC (11 – 15 V) / 24 V DC (22 – 30 V) | |
| **Output voltage/curve** | 230 V AC / modified sine wave | | | 230 V AC / modified sine wave | |
| **Output frequency** | 50 Hz | 50 Hz | 50 Hz | 50 Hz | 50 Hz |
| **No-load input current** | 0.25 A | 0.25 A | 0.25 A | < 0.8 A | < 1.5 A |
| **Continuous power** | 150 W | 350 W | 550 W | 1000 W | 2000 W |
| **Peak output** | 350 W | 700 W | 1100 W | 2000 W | 4000 W |
| **Cooling** | Ventilator | Ventilator | Ventilator | Ventilator | Ventilator |
| **Energy efficiency** | up to 90% | up to 90% | up to 90% | Up to 85% | Up to 85% |
| **Mains priority circuit** | – | – | – | ● | ● |
| **Dimensions** (W x H x D) | 129 x 71 x 177 mm | 129 x 71 x 192 mm | 129 x 71 x 237 mm | 176 x 95 x 338 mm | 176 x 95 x 443 mm |
| **Weight** (approx. kg) | 0.84 | 0.99 | 1.4 | 3.5 | 5 |
| **Test marks** | e-certified (Automotive EMC Directive) | | | e-certified (Automotive EMC Directive) | |
| **Type of protection** | Equivalent to IP 21 | | | Equivalent to IP 21 | |
| **Optional extras** | | | | | |
| DC connection cable | – | – | – | 9102700005 | 9102700006 |
| Standard remote control | – | – | – | MCR-9 | MCR-9 |

**3.16 // WAECO PerfectCharge**

**3.28 // WAECO PerfectBattery**

## IU0U charger / Battery care

| | IU 812 | BC 100 | BR 12 |
|---|---|---|---|
| | | | |
| **Ref. No.** | 808-012/1 | MBCC-100 | MBR-100-12 |
| **Input voltage** | 230 V AC (180 – 253 V) | 230 V AC (180 – 253 V) | |
| **Input frequency** | 50 – 60 Hz | 50 – 60 Hz | |
| **Battery connections** | 1 | 1 | |
| **End-of-charging voltage** | 14.4 V DC | 13.8 V DC | |
| **Float charging voltage** | 13.6 V DC | 13.0 V DC | |
| **Charging indicator** | – | 3 LEDs | |
| **Maximum battery capacity** | 100 Ah | – | |
| **Maximum charging current** | – | 1.0 A | |
| **Charging curve** | IU0U with limited IU0 phase | – | |
| **Maximum charging current** | 8 A | – | |
| **Operating temperature** | 0°C to +50°C | 0°C to +50°C | |
| **Dimensions (W x H x D)** | 120 x 70 x 200 mm | 70 x 100 x 60 mm | |
| **Weight** (approx. kg) | 0.9 | 0.45 | |
| **Quality features** | Overload and short-circuit protection | | |
| **Battery voltage** | | | 12 V DC |
| **Cut-in voltage** | | | > 12.6 V ± 0.2 V |
| **Stand-by current** | | | < 0.2 mA |
| **Dimensions** (W x H x D) | | | 100 x 67 x 25 mm |
| **Weight** | | | 0.12 kg |
| **Test mark** | | | e-certified (Automotive EMC Directive) |

**3.18 // WAECO PerfectPower**

## Voltage converters

| | DCDC 10 | DCDC 20 | DCDC 10 | DCDC 20 | DCDC 40 |
|---|---|---|---|---|---|
| | | | | | |
| **Ref. No.** | DC1224-10 | DC1224-20 | DC2424-10 | DC2412-20 | DC2412-40 |
| **Input voltage** | 12 V DC | 12 V DC | 24 V DC | 24 V DC | 24 V DC |
| **Input voltage range** | 8 to 16 V DC | 8 to 16 V DC | 20 to 32 V DC | 20 to 32 V DC | 20 to 32 V DC |
| **Output current** | 10 A | 20 A | 10 A | 20 A | 40 A |
| **Output voltage** | 27.6 ±0.1 V | 27.6 ±0.1 V | 27.6 ±0.1 V | 13.8 ±0.1 V | 13.8 ±0.1 V |
| **Energy efficiency** | 87% | 87% | 87% | 87% | 87% |
| **Ripple & Noise** | 40 mA | 40 mA | 40 mA | 20 mA | 20 mA |
| **Dimensions** (W x H x D) | 115 x 70 x 155 mm | 115 x 70 x 240 mm | 115 x 70 x 140 mm | 115 x 70 x 155 mm | 115 x 70 x 240 mm |
| **Weight** (kg) | 1.2 | 1.9 | 1 | 1.0 | 1.2 |
| **Test mark** | e-certified (Automotive EMC Directive) | | | | |

**3.30 // WAECO CombiPower**

## Sine wave inverter with integrated automatic battery charger

### 2012 / 2024

| | |
|---|---|
| **Ref. No.** | 9102600104 (12 V)<br>9102600105 (24 V) |
| **Dimensions** (W X H X D) | 490 x 145 x 285 mm |
| **Weight** (approx. kg) | 14 |
| **Test marks** | e-certified (Automotive EMC Directive) |
| **Type of protection** | Equivalent to IP 21 |
| **Technical data inverter** | |
| **Input voltage** | 12 V DC (10 – 16 V)<br>24 V DC (20 – 32 V) |
| **Output voltage/curve** | 230 V AC/pure sine wave ∿ |
| **Output frequency** | 50/60 Hz |
| **Continuous power** | 2000 W |
| **Peak output (3 sec)** | 3000 W |
| **Transfer power** | 230 V/50 A |
| **Transfer time** | < 10 msec. |
| **Technical data automatic battery charger** | |
| **Charging characteristic** | IU0U 6-step |
| **Input voltage range** | 207 – 253 V AC |
| **Frequency range** | 47 – 63 Hz |
| **Adjustable charging current** | 30 – 100 A (12 V) / 15 – 50 A (24 V) |
| **End-of-charging voltage** | 14.4 – 14.7 V DC (12 V) / 28.8 – 29.4 V DC (24 V) |
| **Float charging voltage** | 13.6 V DC (12 V) / 27.2 V DC (24 V) |
| **Second charger output** (starter battery) | 5 A |
| **Cooling** | Speed controlled fans |

**3.39 // Dometic BLUTEC**

## Generator

### BLUTEC 40D

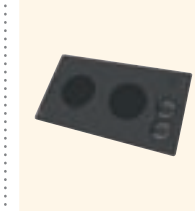
| | |
|---|---|
| **Ref. No.** | 9102900202 |
| **Output voltage/curve** | 230 V AC ± 1% (continuous)/ pure sine voltage ∿ |
| **Total distortion factor** | 1% |
| **Frequency** | 50 Hz ± 1% |
| **Max. starting current** | 45 A |
| **Continuous power** | 3500 W |
| **Peak output** | 4000 W |
| **Engine output** | 4.5 kW (6.1 PS) |
| **Fuel** | Diesel |
| **Consumption** | max. 1.3 l/h |
| **Noise level** | 54 dBA |
| **Insulation class** | H |
| **Oil capacity** | 1.1 l |
| **Dimensions** (W X H X D) | 570 x 528 x 406 mm |
| **Weight** (kg) | 85 |
| **Quality features** | Remote control, noise-insulated stainless steel housing, additional 12-volt output for DC appliances and battery charging, automatic low-oil cut-off, protected against overload and short circuit |
| **Essential accessory** | |
| **Installation kit** | 9102900035 |

**3.33 / 3.32 // Alcohol stoves – free-standing**

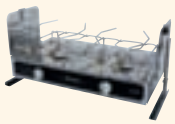
**3.32 // Alcohol stoves, built-in**

| Stoves | ORIGO 1500 | ORIGO 3000 | ORIGO 5100 | ORIGO 2000 | ORIGO 4100 |
|---|---|---|---|---|---|
| | | | | | |
| **Ref. No.** | 9103303880 | 9103303882 | 9103303920 | 9103303884 | 9103303890 |
| **Heater coil voltage** | – | – | – | – | – |
| **Heater coil output** | – | – | – | – | – |
| **Oven output** | – | – | – | – | – |
| **Oven capacity** | – | – | – | – | – |
| **Input voltage** | – | – | – | – | – |
| **Power rating** | – | – | – | – | – |
| **Burning time** | approx. 4.5 hours | approx. 4.5 hours | approx. 5 hours | approx. 4.5 hours | approx. 4.5 hours |
| **Number of burners** | 1 | 2 | 1 | 1 | 2 |
| **Number of hobs/ hotplates** | – | – | – | – | – |
| **Burner capacity** | 2000 W | 2000 W per burner | 1500 W | 2000 W | 2000 W per burner |
| **Heating capacity** | – | – | – | – | – |
| **Boiling time** (in minutes for 1 litre of water) | 10 | 10 | 15 | 10 | 10 |
| **Tank capacity** (litres per tank) | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| **Dimensions** (W x H x D)<br>incl. gimbals<br>**Built-in dimensions** (W x H x D) | 236 x 137 x 262 mm<br>282 x 228 x 262 mm<br>– | 464 x 137 x 262 mm<br>510 x 228 x 262 mm<br>– | 285 x 150 – 285 mm<br>–<br>– | 396 x 150 x 377 mm<br>–<br>345 x 140 x 325 mm | 623 x 150 x 377 mm<br>–<br>575 x 140 x 325 mm |
| **Weight** (kg) | 3.4 | 6.3 | 2.5 | 5.8 | 8 |
| **Optional extras** | | | | | |
| **Gimbals** | 9103303983 | 9103303983 | – | – | – |
| **Potholder** | 9103303980 | 9103303980 | – | 9103303981 | 9103303981 |
| **Cutting board** | 9103303988 | 9103303985 | – | 9103303987 | 9103303986 |
| **Glass lid** | – | – | – | 9103303990 | 9103303989 |
| **Fuel tank** | 9103303993 | 9103303993 | 9103303994 | 9103303993 | 9103303993 |
| **Rubber gasket** | 9103303995 | 9103303995 | – | 9103303995 | 9103303995 |
| **Flame spreader** | 9103303996 | 9103303996 | – | 9103303996 | 9103303996 |

Contents, specifications and availability are subject to change due to technical improvement.

| | | 3.32 // Alcohol/electric stoves | | 3.32 // Alcohol oven /stove | 3.32 // Electric ceramic cooktop | 3.38 // Grill |
|---|---|---|---|---|---|---|
| ORIGO A100 | ORIGO A200 | ORIGO C100 | ORIGO C200 | ORIGO 6000 | ORIGO E200 | PI7093 |
| | | | | |  | |
| 9103303935 | 9103303937 | 9103303939 | 9103303941 | 9103303922 | 9103303967 | 9102302153 |
| | | | | | | |
| – | – | 230 V AC | 230 V AC | – | – | – |
| – | – | 1200 W | 1200 W per heat spiral | – | – | – |
| – | – | – | – | 1500 W | – | – |
| – | – | – | – | 22 litres | – | – |
| – | – | – | – | – | 230 V AC | 230 V AC |
| – | – | – | – | – | – | 2.4 kW |
| approx. 4.5 hours | approx. 4.5 hours | approx. 4.5 hours | approx. 4.5 hours | approx. 4.5 hours | – | – |
| 1 | 2 | 1 | | Stove 2 / oven 1 | – | – |
| – | – | – | – | – | 2 | – |
| 2000 W | 2000 W per burner | 2000 W | 2000 W per burner | 2000 W per burner | – | – |
| – | – | – | – | – | 1200 W | – |
| 10 | 10 | 10 | 10 | 10 | – | – |
| 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | – | – |
| 270 x 160 x 365 mm – 255 x 150 x 340 mm | 500 x 160 x 365 mm – 485 x 150 x 340 mm | 270 x 160 x 365 mm – 255 x 150 x 340 mm | 500 x 160 x 365 mm – 485 x 150 x 340 mm | 465 x 562 x 335 mm – 510 x 562 x 335 mm | 535 x 77 x 300 mm – 509 x 80 x 275 mm | 533.4 x 101.6 x 304.8 mm 501.7 x 295.3 mm |
| 3.5 | 7 | 3.5 | 7 | 28.8 | 6.3 | 6 |
| | | | | | | |
| – | – | – | – | – | – | – |
| 9103303982 | 9103303982 | 9103303982 | 9103303982 | 9103303980 | 9103303982 | – |
| – | – | – | – | 9103303985 | – | – |
| 9103303992 | 9103303991 | 9103303992 | 9103303991 | – | – | – |
| 9103303993 | 9103303993 | 9103303993 | 9103303993 | 9103303993 | – | – |
| – | – | – | – | – | – | – |
| – | – | – | – | – | – | – |

**3.37 // Dometic gas cooker**

| Stoves | EK 1600 | EK 3200 |
|---|---|---|
| | |  |
| **Ref. No.** | 9103300400 | 9103300401 |
| **Voltage** | | |
| **Power rating** | 1.6 kW | 2 x 1.6 kW |
| **Number of burners** | 1 | 2 |
| **Gas consumption** | 115 g/h | 230 g/h |
| **Gas supply pressure** | 30 mbar | 30 mbar |
| **Quality features** | 1 pair of adjustable potholders, heat shields, gimbals, safety ignition system | 2 pair of adjustable potholders, heat shields, gimbals, safety ignition system |
| **Dimensions** (W x H x D) | 281 x 245.7 x 262 mm (with gimbals)<br>237 x 71.7 x 262 mm (without gimbals) | 508 x 245.7 x 262 mm (with gimbals)<br>464 x 71.7 x 262 mm (without gimbals) |
| **Built-in dimensions** (W x D) | – | – |
| **Weight** (kg) | 2.9 | 4.2 |

**3.38 / 3.37 // Dometic Cooker / oven combinations**

| Ovens | CU333GTM | CU333GTWM | CU433 MoonLight | StarLight |
|---|---|---|---|---|
| | | | | |
| **Ref. No.** | 9102302156 | 9102302157 | 9103303387 | 9103303820 |
| **Voltage** (electronic 12-volt ignition) | ● | ● | ● | – |
| **Oven output** | 1.2 kW | 1.2 kW | 1.2 kW | 1.1 kW |
| **Gas consumption oven** | 87 g/h | 87 g/h | 87 g/h | 80 g/h |
| **Grill output** | 1.6 kW | 1.6 kW | 1.6 kW | 1.3 kW |
| **Gas consumption grill** | 116 g/h | 116 g/h | 116 g/h | 100 g/h |
| **Cooker output** | 1 x 1.8 kW; 1 x 1 kW | 1 x 1.8 kW; 1 x 1 kW | 1 x 2.2 kW; 1 x 1.8 kW; 1 x 1 kW | 1 x 2.2 kW; 1 x 1 kW |
| **Gas consumption cooker** | 204 g/h | 204 g/h | 364 g/h | 160 + 131 g/h |
| **Gas supply pressure** | 30 mbar | 30 mbar | 30 mbar | 30 mbar |
| **Number of burners** | 2 | 2 | 3 | 2 |
| **Oven capacity** | 30 litres | 30 litres | 30 litres | 28 litres (15 litres grill) |
| **Dimensions** (W x H x D)<br>incl. semi-gimbal suspension<br>**Built-in dimensions** (W x H x D) | 486 x 390 x 415 mm<br>–<br>524 x 505 x 500 mm | 486 x 390 x 415 mm<br>–<br>524 x 505 x 500 mm | 473 x 435.4 x 470 mm<br>501 x 513 x 470 mm<br>540 x 550 x 510 mm | 448.6 x 507.5 x 356.9 mm<br>479 x 539.5 x 356.9 mm<br>– |
| **Weight** (kg) | 21.8 | 21.8 | 21.0 | 23 |
| **Optional extras** | | | | |
| Standard gimbals suspension | 9102302160 | 9102302160 | – | – |
| Lockable gimbals with metal frame | 9102302161 | 9102302161 | – | – |
| Lockable gimbals with wood frame | 9102302162 | 9102302162 | – | – |
| Grill pan | – | – | – | 9103303862 |

Contents, specifications and availability are subject to change due to technical improvement.

**3.38 // Dometic SMEV gas cooker**

| | PI2232M | PI8062M | PI8063M |
|---|---|---|---|
| | | | |
| | 9102300032 | 9102300008 | 9102300009 |
| | | | |
| | | 12 V DC (with electric ignition) | 12 V DC (with electric ignition) |
| | 1 x 1 kW; 1 x 1.8 kW | 1 x 1 kW; 1 x 1.8 kW | 1 x 1 kW; 2 x 1.8 kW |
| | 2 | 2 | 3 |
| | 204 g/h | 204 g/h | 335 g/h |
| | 30 mbar | 30 mbar | 30 mbar |
| | Detachable chromed pan support, stainless steel burner lid, safety ignition system, Piezo ignition, rubber seal, potholder | Heat-resistant safety glass lid, detachable chromed pan support, stainless steel burner caps, safety ignition system, recessed controls, electronic 12-volt ignition, AC 540 siphon, rubber seal, potholder | |
| | 380 x 90 x 280 mm | 480 x 90.5 x 370 mm | 560 x 90.5 x 440 mm |
| | – | 466 x 358 mm | 546 x 428 mm |
| | 1.7 | 3.6 | 5.2 |

| Cooker hood / Electric kettle / Coffee maker | **3.36 // Dometic CK 2000** CK 2000 | **3.14 // WAECO PerfectKitchen** MCK 750 | **3.13 // WAECO PerfectCoffee** MC 08 | PAD01 |
|---|---|---|---|---|
| | | | | |
| **Ref. No.** | 9107300002 | MCK-750-12/N **(12 V)**<br>MCK-750-24/N **(24 V)** | MC-8-12LX/N **(12 V)**<br>MC-8-24LX/N **(24 V)** | 9103500364 |
| | | | | |
| **Voltage** | 12 V DC | 12 or 24 V DC | 12 or 24 V DC | 230 V AC, 12 V DC |
| **Capacity** | 38/45 m³/h | approx. 0.75 litres | 8 cups (750 ml) | 1 cup (125 ml) |
| **Power consumption** | 5 W | 12 V: 200 W<br>24 V: 380 W | 12 V: 200 W<br>24 V: 360 W | 230 V: 1400 W<br>12 V: 350 W |
| **Pad type** | – | – | – | Soft pads, approx. 70 mm |
| **Colour** | – | Black / silver | Black / silver | Silver / black |
| **Dimensions** (W x H x D) | 400 x 56 x 280 mm | 190 x 205 x 125 mm<br>(incl. fixing kit) | 285 x 320 x 100 mm | 200 x 200 x 130 mm<br>(coffee maker incl. fixing kit)<br>129 x 71 x 192 mm (inverter) |
| **Weight** (kg) | 2.2 | 0.8 | 1.8 | 1.7 (coffee maker)<br>0.99 (inverter) |
| **Quality features** | Two integrated halogen lights (2 x 10 W, GU4), 2-level lighting, washable metal grease filter, exchangeable carbon filter, two-speed fan | Robust relay technology, switches off automatically when the boiling temperature has been reached, or when there's no water in the kettle, status indication | Slim, space-saving design, removable water tank, water level indicator, robust relay technology, LED status indication, cut-off after brewing | 12-volt operation with intelligent inverter, 230-volt connection cable and plug for home use, easy operation, short brewing time, automatic cut-off, LED indicator |
| **Test marks** | – | E-certified (Automotive EMC Directive), complies with the German Foodstuff and Consumer Goods Act (LMBG) | | e-certified to Automotive EMC Directive (inverter) |
| **Scope of delivery** | – | Fixing kit for wall or desk mounting | Insulated pot, fixing kit for wall or desk mounting | Coffee maker with 230-volt connection cable and plug, inverter, coffee pad holder, measuring jug, 2 ceramic mugs, fixing kit for desk mounting |
| **Optional extras** | | | | |
| **Active carbon filter** (2-pack) | 9107300007 | – | – | – |

**7.04 // MasterFlush**

## Macerator Toilets

| | 8112 / 8116 | 8152 / 8156 |
|---|---|---|
| | | |
| **Ref. No.** | 304811201 (12 V DC) // 304811601 (24 V DC) | 304815201 (12 V DC) // 304815601 (24 V DC) |
| **Voltage** | 12 V DC or 24 V DC | 12 V DC or 24 V DC |
| **Fuse** | 20 A / 15 A | 20 A / 15 A |
| **Material** | Seat: wood, ceramic bowl | Seat: wood, ceramic bowl |
| **Colour** | White | White |
| **Dimensions** (W x H x D) | 375 x 381 x 467 mm | 375 x 467 x 467 mm |
| **Weight** (kg) | 20.5 | 26.5 |
| **Quality features** | High-quality ceramic bowl, efficient stainless steel macerator, quiet operation, low energy consumption, easy installation | |

**7.01 // Portable Toilets**

## Portable Toilets

| | SaniPottie® 972 | SaniPottie® 976 |
|---|---|---|
| | | |
| **Ref. No.** | 9108557678 (white / beige)<br>9108557679 (white / grey) | 9108557680 (white / beige)<br>9108557681 (white / grey) |
| **Tank capacity** | | |
| Flush water | 8.7 litres | 8.7 litres |
| Waste tank | 9.8 litres | 18.9 litres |
| **Material** | ABS | ABS |
| **Colour** | White / beige or white / grey | White / beige or white / grey |
| **Dimensions** (W x H x D) | 333 x 317 x 387 mm | 333 x 387 x 387 mm |
| **Weight** (kg) | 5.4 | 5.9 |
| **Accessories** | | |
| **Additional tank** | 9107100030 | 9107100031 |
| **Discharge kit** | 9107100028 | 9107100029 |
| **Fixing kit** | 9108559158 | 9108559158 |

**7.04 // Dometic PowerPump**

## Pressurised water pumps

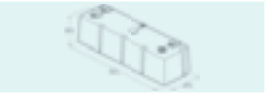
## Dometic PowerPump

| | | | | | |
|---|---|---|---|---|---|
| | | | | | |
| **Ref. No.** | 9107100051 | 9107100052 | 9107100053 | 9107100054 | 9107100055 |
| **Material** | Metal / PP | | | | |
| **Voltage** | 12 V DC / 24 V DC | | | | |
| **Colour** | Orange / black / white | | | | |
| **Dimensions** (W x H x D) | 210 x 98.5 x 87.5 mm | 210 x 98.5 x 87.5 mm | 210 x 98.5 x 87.5 mm | 244 x 98.5 x 87.5 mm | 244 x 98.5 x 87.5 mm |
| **Cut-off pressure** | 1.4 bar / 2.2 Ah | 2.1 bar / 3.0 Ah | 2.1 bar / 1.5 Ah | 2.8 bar / 6.0 Ah | 2.8 bar / 3.0 Ah |
| **Scope of delivery** | Pump, strainer with 1/2" hose connector, 1/2" straight hose connector, 1/2" 90° elbow hose connector, 1/2" straight thread | | | | |
| **Quality features** | High-performance pump, four-chamber diaphragm design – maintenance free, self-priming, runs dry without damage, fast and easy installation of strainer and fittings, low-noise operation, low energy consumption | | | | |

Contents, specifications and availability are subject to change due to technical improvement.

**7.04 // Holding tanks**

## Holding tanks

| | DHT42L | DHT61L | DHT88L | DHT110L | DHT137L |
|---|---|---|---|---|---|
| | | | | |  |
| **Ref. No.** | 322601101 | 322601601 | 322602301 | 322602901 | 322603601 |
| **Gross capacity** | 42 litres | 61 litres | 88 litres | 110 litres | 137 litres |
| **Material** | Holding tank: polyethylene, Fittings: polyvinyl chloride, ABS | | | | |
| **Colour** | Holding tank: natural, Fittings: white | | | | |
| **Dimensions** (W x H x D, mm) | 460 x 347 x 350 | 660 x 348 x 350 | 800 x 388 x 400 | 1200 x 348 x 350 | 1200 x 388 x 400 |
| **Empty weight** (kg) | 5.4 | 7.7 | 10.2 | 14 | 14.5 |
| **Quality features** | Leak-proof, odour-free design in highly durable polyethylene (6.3 mm wall thickness), pre-cut holes, pre-installed and tested fittings that can rotate, two separate outlets for dockside and overboard discharge, vacuum relief valve prevents damage from high-capacity dockside vacuum pumps | | | | |
| **Test mark** | ISO 8099 compliant | | | | |

**7.04 // Sanitation Hoses**

## Sanitation Hoses

| | MaxFlex 38 | MaxFlex 25 | MaxFlex 19 | MaxFlex 16 |
|---|---|---|---|---|
| | | | | |
| **Ref. No.** | 9107100016 (15 m)<br>9107100033 (50 m) | 9107100017 (15 m)<br>9107100034 (50 m) | 9107100018 (15 m)<br>9107100035 (50 m) | 9107100019 (15 m)<br>9107100035 (50 m) |
| **Material** | Flexible polyvinyl chloride | | | |
| **Colour** | White | | | |
| **Operating pressure** | 4 bar | 6 bar | 8 bar | 8 bar |
| **Diameter** (Ø) inner / outer | 39 mm / 47 mm | 26 mm / 32 mm | 20 mm / 24 mm | 17 mm / 22 mm |
| **Wall thickness** | 4.1 mm | 2.9 mm | 2.3 mm | 2.6 mm |
| **Inside bend radius** | 152 mm | 102 mm | 78 mm | 65 mm |
| **Hose length** | 15 m or 50 m | | | |
| **Weight** (g/m) | 700 | 340 | 200 | 190 |
| **Working temperature** | –17°C to +65°C | | | |
| **Quality features** | Very flexible hose, easy installation, suitable for multiple sanitation uses (38 mm best for toilet, pump and tank connections; 25 mm commonly used on some electric marine toilets; 19 mm and 16 mm commonly used on vent systems).<br>Not suitable for drinking water. | | | |

## OdorSafe Plus 38

| | OdorSafe Plus 38 |
|---|---|
| | |
| **Ref. No.** | 9107100015 |
| **Material** | Flexible polyvinyl chloride |
| **Colour** | White |
| **Operating pressure** | 6 bar |
| **Diameter** (Ø) inner / outer | 38 mm / 47 mm |
| **Wall thickness** | 4.1 mm |
| **Inside bend radius** | 190.5 mm |
| **Hose length** | 15 m |
| **Weight** (g/m) | 710 |
| **Working temperature** | –17°C to +65°C |
| **Quality features** | Excellent odour barrier, up to 500 % more effective than other sanitation hoses, available in Ø 38 mm for sewage systems, PVC anti-crash spiral, no friction and no risk of clogging thanks to smooth inside surface |

**7.04 // VacuFlush 500 series**

## Vaccum toilets

| | 506+ | 509+ | 547+ | 548+ |
|---|---|---|---|---|
| | | | | |
| **Ref. No.** | 317850601 | 317450901 | 317854701 | 317854801 |
| **Model** | Low profile | Standard height | Standard height | Standard height |
| **Voltage** | 12/24 V DC | 12/24 V DC | 12/24 V DC | 12/24 V DC |
| **Current consumption** | – | – | – | – |
| **Fuse** | – | – | – | – |
| **Vacuum pump*** | | | | |
| Consumption | 6 A (12 V DC); 3 A (24 V DC) | 6 A (12 V DC); 3 A (24 V DC) | 6 A (12 V DC); 3 A (24 V DC) | 6 A (12 V DC); 3 A (24 V DC) |
| Fuse | 10 A (12 V DC); 5 A (24 V DC) | 10 A (12 V DC); 5 A (24 V DC) | 10 A (12 V DC); 5 A (24 V DC) | 10 A (12 V DC); 5 A (24 V DC) |
| **Discharge** | Through the floor | Through the floor | Right | Rear |
| **Material** | Seat: wood, bowl: ceramic | Seat: wood, bowl: ceramic | Seat: wood, bowl: ceramic | Seat: wood, bowl: ceramic |
| **Colour** | White | White | White | White |
| **Dimensions (WxHxD)** | 438 x 368 x 521 mm | 387 x 476 x 521 mm | 387 x 476 x 521 mm | 387 x 476 x 521 mm |
| **Weight** | 18.1 kg | 18.6 kg | 18.6 kg | 18.6 kg |
| **Quality features** | Powerful vacuum flush with foot pedal operation, very economical water consumption – only 0.47 litres per flush, small footprint – fits most bathroom layouts, household-size seat and bowl, anti-splash bowl rim helps prevent spills, through-the-floor or through-the-wall discharge options, connection to VacuFlush vacuum generator or holding tank system | | | |

* Not included in the scope of delivery.

**7.04 // Accessories**

## Accessories VacuFlush Toilets

| | VacuFlush Toilet switch | Vacuum tank VT | Vacuum generator VG4 |
|---|---|---|---|
| | | | |
| **Ref. No.** | 313401012 (12 V DC)<br>313401024 (24 V DC) | 317729100 | 317780012 (12 V DC)<br>317780024 (24 V DC) |
| | Vimar toilet switch for wall mounting. Add water and flush control at the touch of a button. “OK to flush” and “do not flush” indicators. | Stores the vacuum force that evacuates VacuFlush toilet bowls with every flush. | Combination of vacuum tank and S-series vacuum pump |
| **Voltage** | – | – | 12 V DC or 24 V DC |
| **Consumption** | – | – | 6 A (12 V DC), 3 A (24 V DC) |
| **Fuse** | – | – | 10 A (12 V DC), 5 A (24 V DC) |
| **Pump motor** | – | | |
| **Material** | – | PVC | Tank: High-density polyethylene (durable) |
| **Hose connections** | – | – | 38 mm |
| **Dimensions (WxHxD)** | – | 622 x 292 x 241 mm | 511 x 356 x 232 mm |
| **Weight** | – | | – |
| **Quality features** | – | Highly sensitive vacuum switch monitors vacuum level and activates vacuum pump when vacuum level drops due to flushing. Flexible installation – floor or wall mounting. Corrosion-proof construction, durable and easy to clean. Including 2 90° & 2 straight hose adapters | Components accommodate diverse plumbing layouts, improved pump flow thanks to large valve openings (51 mm ID), injection-moulded tank with precise tolerances for efficient and reliable operation, supplied pre-wired and pre-fitted |

Contents, specifications and availability are subject to change due to technical improvement.

**7.04 // VacuFlush 5000 series**

**7.04 // VacuFlush 4800 series**

| 5006 | 5009 | 5048 | 4806 | 4809 |
|---|---|---|---|---|
| | | | | |
| 317500601 | 317500901 | 317504801 | 317148061 (12 V DC)<br>317248061 (24 V DC) | 317148091 (12 V DC)<br>317248091 (24 V DC) |
| Low profile | Standard height | Standard height | Low profile | Standard height |
| 12/24 V DC | 12/24 V DC | 12/24 V DC | 12 V DC or 24 V DC | 12 V DC or 24 V DC |
| – | – | – | 2 A (12 V DC); 1 A (24 V DC) | 2 A (12 V DC); 1 A (24 V DC) |
| – | – | – | 5 A (12 V DC); 5 A (24 V DC) | 5 A (12 V DC); 5 A (24 V DC) |
| 6 A (12 V DC); 3 A (24 V DC)<br>10 A (12 V DC); 5 A (24 V DC) | 6 A (12 V DC); 3 A (24 V DC)<br>10 A (12 V DC); 5 A (24 V DC) | 6 A (12 V DC); 3 A (24 V DC)<br>10 A (12 V DC); 5 A (24 V DC) | 6 A (12 V DC), 3 A (24 V DC)<br>10 A (12 V DC), 5 A (24 V DC) | 6 A (12 V DC), 3 A (24 V DC)<br>10 A (12 V DC), 5 A (24 V DC) |
| Through the floor | Through the floor | Rear | Rear | Rear |
| Seat: wood, bowl: ceramic | Seat: wood, bowl: ceramic | Seat: wood, bowl: ceramic | Seat: thermoset plastic, bowl: ceramic | Seat: thermoset plastic, bowl: ceramic |
| White | White | White | White | White |
| 438 x 337 x 467 mm | 378 x 441 x 467 mm | 378 x 441 x 467 mm | 375 x 375 x 464 mm | 375 x 460 x 473 mm |
| 12.7 kg | 12.7 kg | 12.7 kg | 24 kg | 28 kg |
| Powerful vacuum flush with foot pedal operation, very economical water consumption – only 0.47 litres per flush, small footprint – fits most bathroom layouts, household-size seat and bowl, anti-splash bowl rim helps prevent spills, through-the-floor or through-the-wall discharge options, connection to VacuFlush vacuum generator or holding tank system | | | Powerful vacuum flush with foot pedal operation, very economical water consumption in two modes – “Normal Flush” 0.95 litres, “Dry Bowl” flush 0.5 litres, small footprint – fits most bathroom layouts, soft-close thermoset seat, automatic “full tank” shutdown (when connected to tank level indicator) prevents overfilling the holding tank, service mode allows cleaning or other service without running water | |

| Vacuum generator VGLP | Vacuum pump S12 / S24 | Vacuum pump M12 / M24 |
|---|---|---|
| | | |
| 317770012 (12 V DC)<br>317770024 (24 V DC) | 317201200 (12 V DC)<br>317202400 (24 V DC) | 317501200 (12 V DC)<br>317502400 (24 V DC) |
| Combination of vacuum tank and S-series vacuum pump | Robust and reliable vacuum pump | Vacuum pump for multiple toilets |
| 12 V DC or 24 V DC | 12 V DC or 24 V DC | 12 V DC or 24 V DC |
| 6 A (12 V DC), 3 A (24 V DC) | 6 A (12 V DC), 3 A (24 V DC) | 40 A (12 V DC), 20 A (24 V DC) |
| 10 A (12 V DC), 5 A (24 V DC) | 10 A (12 V DC), 5 A (24 V DC) | 50 A (12 V DC), 25 A (24 V DC) |
| | | 0.5 HP |
| Tank: High-density polyethylene (durable) | – | – |
| 38 mm | 38 mm | 38 mm |
| 737 x 203 x 254 mm | 406 x 197 x 171 mm | 670 x 283 x 330 mm |
| – | 3.5 kg | 37.2 kg |
| Powerful vacuum source for all VacuFlush toilets, vacuum pump and tank can be fitted up to 0.9 m apart from each other (additional sanitation hose required), supplied pre-wired and pre-fitted | Runs dry without damage even for extended periods of time. No dynamic seals or impellers that might overheat or clog. Patented Quadra Valve™ valves let metal or plastic contaminants up to 13 mm in diameter pass without damage. Current draw on 12 V: only 4 – 6 amps. | One pump for up to eight toilets. Ideal for commercial applications such as charter and rental. Runs dry without damage. Patented Quadra-Valve™ valves let metal or plastic contaminants up to 25 mm in diameter pass without damage. Heavy-duty bronze pump body. |

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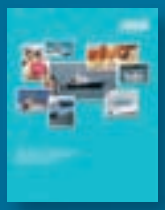

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